Pdisp Input and Output

Model: Demolition

Notes
Demolition

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: -30.00 [m OD]
Displacements at area centroids calculated.

Soil ProfilesSoil Profile 1

Layer	Level at top	Number of intermediate displacement levels	Youngs Modulus Top	Youngs Modulus Btm	Poissons ratio	Non-linear curve
	[mOD]		[kN/m²]	[kN/m²]		
1	0.0	30	5280.0	97080.	0.50000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Site	0.0	82.305	0.0	57.420	Soil Profile 1

Non-linear Curve Coordinates - Non-linear Curve 1

Point	Strain [%]	Factor

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Centre of load (Global) Y [m]	Centre of load (Global) Z (level) [m]	Load position Angle of local x from [Degrees]	Load position Width x or Radius [m]	Load position Length y [m]	Polygon Coordinates [m]	Rectangle tolerance	Number of rectangles	Load value Normal (local z) [kN/m²]	Load value Tangential (local x) [kN/m²]	Load value Tangential (local y) [kN/m²]
1	Demolition	Polygonal	Horizontal	N/A	N/A	0.0	N/A	N/A	N/A	(36.3,28.1) (46.1,35.5) (50.9,29.2) (41,21.8) (36.3,28.1)	10.000	1	-25.000	N/A	N/A

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Centre of load Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : Demolition					
(Edge 2 optimal)					
1	43.561	28.630	-53.056	7.8945	12.354

Displacement Data

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Line	A1	N/A	29.577	22.247	0.0	32.940	24.934	0.0	9	N/A	N/A	Yes	No
2	Line	A2	N/A	32.940	24.934	0.0	34.509	22.970	0.0	6	N/A	N/A	Yes	No
3	Line	A3	N/A	34.509	22.970	0.0	37.464	25.331	0.0	8	N/A	N/A	Yes	No
4	Line	A4	N/A	37.464	25.331	0.0	39.771	22.189	0.0	8	N/A	N/A	Yes	No
5	Line	A5	N/A	39.771	22.189	0.0	33.498	17.241	0.0	16	N/A	N/A	Yes	No
6	Line	A6	N/A	33.498	17.241	0.0	29.577	22.247	0.0	13	N/A	N/A	Yes	No
7	Line	B1	N/A	20.516	5.4584	0.0	23.636	7.7940	0.0	8	N/A	N/A	Yes	No
8	Line	B2	N/A	23.636	7.7943	0.0	23.072	8.5240	0.0	2	N/A	N/A	Yes	No
9	Line	B3	N/A	23.072	8.5245	0.0	27.180	11.648	0.0	11	N/A	N/A	Yes	No
10	Line	B4	N/A	27.180	11.648	0.0	27.835	10.787	0.0	3	N/A	N/A	Yes	No
11	Line	B5	N/A	27.835	10.786	0.0	32.943	14.584	0.0	13	N/A	N/A	Yes	No
12	Line	B6	N/A	32.943	14.584	0.0	32.305	15.441	0.0	3	N/A	N/A	Yes	No
13	Line	B7	N/A	32.305	15.441	0.0	33.194	16.090	0.0	3	N/A	N/A	Yes	No
14	Line	B8	N/A	33.194	16.090	0.0	26.817	24.575	0.0	22	N/A	N/A	Yes	No
15	Line	B9	N/A	26.817	24.575	0.0	24.769	22.979	0.0	6	N/A	N/A	Yes	No
16	Line	B10	N/A	24.768	22.979	0.0	25.811	21.584	0.0	4	N/A	N/A	Yes	No
17	Line	B11	N/A	25.811	21.584	0.0	23.920	20.113	0.0	5	N/A	N/A	Yes	No
18	Line	B12	N/A	23.920	20.113	0.0	24.501	19.366	0.0	2	N/A	N/A	Yes	No
19	Line	B13	N/A	24.501	19.366	0.0	22.314	17.688	0.0	6	N/A	N/A	Yes	No
20	Line	B14	N/A	22.314	17.688	0.0	20.965	19.448	0.0	5	N/A	N/A	Yes	No
21	Line	B15	N/A	20.965	19.448	0.0	17.429	16.792	0.0	9	N/A	N/A	Yes	No
22	Line	B16	N/A	17.429	16.792	0.0	20.020	13.185	0.0	9	N/A	N/A	Yes	No
23	Line	B17	N/A	20.020	13.185	0.0	18.508	11.948	0.0	4	N/A	N/A	Yes	No
24	Line	B18	N/A	18.507	11.948	0.0	19.311	10.901	0.0	3	N/A	N/A	Yes	No
25	Line	B19	N/A	19.311	10.901	0.0	17.422	9.4780	0.0	5	N/A	N/A	Yes	No
26	Line	B20	N/A	17.422	9.4783	0.0	20.516	5.4580	0.0	11	N/A	N/A	Yes	No
27	Line	C1	N/A	36.286	29.950	0.0	33.764	33.191	0.0	9	N/A	N/A	Yes	No
28	Line	C2	N/A	33.764	33.191	0.0	30.969	31.228	0.0	7	N/A	N/A	Yes	No
29	Line	C3	N/A	30.969	31.228	0.0	29.281	33.631	0.0	6	N/A	N/A	Yes	No
30	Line	C4	N/A	29.281	33.631	0.0	31.218	35.087	0.0	5	N/A	N/A	Yes	No
31	Line	C5	N/A	31.218	35.087	0.0	32.248	36.929	0.0	5	N/A	N/A	Yes	No
32	Line	C6	N/A	32.248	36.929	0.0	37.108	40.505	0.0	13	N/A	N/A	Yes	No
33	Line	C7	N/A	37.108	40.506	0.0	37.371	40.148	0.0	1	N/A	N/A	Yes	No
34	Line	C8	N/A	37.371	40.148	0.0	41.375	43.095	0.0	10	N/A	N/A	Yes	No
35	Line	C9	N/A	41.375	43.095	0.0	42.927	40.986	0.0	6	N/A	N/A	Yes	No
36	Line	C10	N/A	42.927	40.986	0.0	42.264	40.498	0.0	2	N/A	N/A	Yes	No
37	Line	C11	N/A	42.264	40.498	0.0	45.192	36.518	0.0	10	N/A	N/A	Yes	No
38	Line	C12	N/A	45.192	36.518	0.0	36.286	29.950	0.0	23	N/A	N/A	Yes	No
39	Line	D1	N/A	27.559	34.850	0.0	24.983	38.367	0.0	9	N/A	N/A	Yes	No
40	Line	D2	N/A	24.983	38.367	0.0	21.818	36.048	0.0	8	N/A	N/A	Yes	No
41	Line	D3	N/A	21.818	36.048	0.0	19.893	38.770	0.0	7	N/A	N/A	Yes	No
42	Line	D4	N/A	19.893	38.770	0.0	32.857	48.170	0.0	33	N/A	N/A	Yes	No
43	Line	D5	N/A	32.857	48.170	0.0	34.696	45.684	0.0	7	N/A	N/A	Yes	No
44	Line	D6	N/A	34.696	45.684	0.0	33.763	44.994	0.0	3	N/A	N/A	Yes	No
45	Line	D7	N/A	33.763	44.994	0.0	36.470	41.320	0.0	10	N/A	N/A	Yes	No
46	Line	D8	N/A	36.470	41.320	0.0	27.559	34.850	0.0	23	N/A	N/A	Yes	No
47	Grid	Grid 1	Global X	0.0	0.0	0.0	N/A	57.420	0.0	99	82.000	99	No	N/A

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: -30.00 [m OD]

The maximum displacement difference between
Boussinesq method (-9.7957mm) and Mindlin method (-7.1002mm)
occurs at point X=43.561m Y=28.630m Level 0.0mOD and is 2.6954mm

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Stresses Z [mm]	Stresses Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
Demolition	43.56090	28.62960	0.00000	-9.7957	-0.24574	-24.997	-57.181	-0.0014840
A1	29.57730	22.24750	0.00000	-0.11176	-0.24574	-42.628E-6	-0.084542	7.0339E-6
	29.95093	22.54600	0.00000	-0.12976	-0.24574	-52.182E-6	-0.094473	7.8589E-6
	30.32457	22.84450	0.00000	-0.15020	-0.24574	-64.507E-6	-0.10607	8.8221E-6
	30.69820	23.14300	0.00000	-0.17349	-0.24574	-80.621E-6	-0.11971	9.9545E-6
	31.07183	23.44150	0.00000	-0.20010	-0.24574	-102.01E-6	-0.13588	11.297E-6
	31.44547	23.74000	0.00000	-0.23065	-0.24574	-130.89E-6	-0.15522	12.901E-6
	31.81910	24.03850	0.00000	-0.26587	-0.24574	-170.67E-6	-0.17860	14.839E-6
	32.19273	24.33700	0.00000	-0.30670	-0.24574	-226.75E-6	-0.20719	17.207E-6
	32.56637	24.63550	0.00000	-0.35434	-0.24574	-307.99E-6	-0.24263	20.141E-6
	32.94000	24.93400	0.00000	-0.41032	-0.24574	-429.65E-6	-0.28731	23.833E-6
A2	32.93970	24.93420	0.00000	-0.41029	-0.24574	-429.58E-6	-0.28728	23.831E-6

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	33.20125	24.60683	0.00000	-0.43014	-0.24574	-470.58E-6	-0.30300	25.130E-6
	33.46280	24.27947	0.00000	-0.44852	-0.24574	-509.12E-6	-0.31767	26.343E-6
	33.72435	23.95210	0.00000	-0.46513	-0.24574	-544.18E-6	-0.33098	27.443E-6
	33.98590	23.62473	0.00000	-0.47964	-0.24574	-575.00E-6	-0.34267	28.410E-6
	34.24745	23.29737	0.00000	-0.49183	-0.24574	-601.04E-6	-0.35252	29.224E-6
	34.50900	22.97000	0.00000	-0.50147	-0.24574	-621.99E-6	-0.36037	29.872E-6
A3	34.50920	22.97010	0.00000	-0.50151	-0.24574	-622.10E-6	-0.36040	29.875E-6
	34.87855	23.26521	0.00000	-0.58934	-0.24574	-919.45E-6	-0.44155	36.563E-6
	35.24790	23.56033	0.00000	-0.69691	-0.24574	-0.0014164	-0.55118	45.573E-6
	35.61725	23.85544	0.00000	-0.83073	-0.24574	-0.0022997	-0.70405	58.090E-6
	35.98660	24.15055	0.00000	-1.0004	-0.24574	-0.0040019	-0.92615	76.171E-6
	36.35595	24.44566	0.00000	-1.2207	-0.24574	-0.0076681	-1.2671	103.67E-6
	36.72530	24.74077	0.00000	-1.5165	-0.24574	-0.016972	-1.8338	148.56E-6
	37.09465	25.03589	0.00000	-1.9328	-0.24574	-0.047772	-2.9016	229.84E-6
	37.46400	25.33100	0.00000	-2.5649	-0.24574	-0.21590	-5.4345	398.86E-6
A4	37.46360	25.33080	0.00000	-2.5642	-0.24574	-0.21551	-5.4306	398.63E-6
	37.75203	24.93807	0.00000	-2.5901	-0.24574	-0.21109	-5.4284	399.56E-6
	38.04045	24.54535	0.00000	-2.5938	-0.24574	-0.20659	-5.3971	398.07E-6
	38.32888	24.15262	0.00000	-2.5762	-0.24574	-0.20206	-5.3395	394.41E-6
	38.61730	23.75990	0.00000	-2.5369	-0.24574	-0.19746	-5.2542	388.45E-6
	38.90572	23.36717	0.00000	-2.4744	-0.24574	-0.19269	-5.1353	379.74E-6
	39.19415	22.97445	0.00000	-2.3853	-0.24574	-0.18744	-4.9704	367.30E-6
	39.48257	22.58172	0.00000	-2.2644	-0.24574	-0.18094	-4.7346	349.28E-6
	39.77100	22.18900	0.00000	-2.1043	-0.24574	-0.17077	-4.3793	322.22E-6
A5	39.77130	22.18930	0.00000	-2.1049	-0.24574	-0.17106	-4.3824	322.40E-6
	39.37922	21.88003	0.00000	-1.5639	-0.24574	-0.035100	-2.2364	177.58E-6
	38.98714	21.57076	0.00000	-1.2215	-0.24574	-0.011765	-1.3885	112.75E-6
	38.59505	21.26149	0.00000	-0.98290	-0.24574	-0.0051262	-0.95646	78.416E-6
	38.20298	20.95222	0.00000	-0.80657	-0.24574	-0.0026252	-0.70211	57.847E-6
	37.81089	20.64296	0.00000	-0.67099	-0.24574	-0.0014981	-0.53788	44.444E-6
	37.41881	20.33369	0.00000	-0.56376	-0.24574	-923.16E-6	-0.42492	35.176E-6
	37.02673	20.02442	0.00000	-0.47716	-0.24574	-602.35E-6	-0.34359	28.479E-6
	36.63465	19.71515	0.00000	-0.40608	-0.24574	-410.72E-6	-0.28296	23.475E-6
	36.24257	19.40588	0.00000	-0.34697	-0.24574	-290.03E-6	-0.23654	19.637E-6
	35.85049	19.09661	0.00000	-0.29732	-0.24574	-210.72E-6	-0.20021	16.630E-6
	35.45840	18.78734	0.00000	-0.25522	-0.24574	-156.77E-6	-0.17126	14.231E-6
	35.06633	18.47808	0.00000	-0.21929	-0.24574	-119.00E-6	-0.14784	12.289E-6
	34.67424	18.16881	0.00000	-0.18841	-0.24574	-91.894E-6	-0.12864	10.696E-6
	34.28216	17.85954	0.00000	-0.16174	-0.24574	-72.036E-6	-0.11274	9.3757E-6
	33.89008	17.55027	0.00000	-0.13860	-0.24574	-57.218E-6	-0.099423	8.2701E-6
	33.49800	17.24100	0.00000	-0.11844	-0.24574	-45.984E-6	-0.088182	7.3363E-6
A6	33.49840	17.24090	0.00000	-0.11845	-0.24574	-45.988E-6	-0.088186	7.3366E-6
	33.19675	17.62598	0.00000	-0.12193	-0.24574	-47.724E-6	-0.090080	7.4940E-6
	32.89511	18.01107	0.00000	-0.12481	-0.24574	-49.178E-6	-0.091653	7.6247E-6
	32.59346	18.39615	0.00000	-0.12706	-0.24574	-50.315E-6	-0.092878	7.7265E-6
	32.29182	18.78124	0.00000	-0.12862	-0.24574	-51.109E-6	-0.093733	7.7975E-6
	31.99017	19.16632	0.00000	-0.12948	-0.24574	-51.539E-6	-0.094201	7.8364E-6
	31.68852	19.55141	0.00000	-0.12962	-0.24574	-51.598E-6	-0.094274	7.8425E-6
	31.38688	19.93649	0.00000	-0.12904	-0.24574	-51.284E-6	-0.093951	7.8157E-6
	31.08523	20.32158	0.00000	-0.12774	-0.24574	-50.605E-6	-0.093239	7.7565E-6
	30.78358	20.70666	0.00000	-0.12576	-0.24574	-49.580E-6	-0.092151	7.6661E-6
	30.48194	21.09175	0.00000	-0.12312	-0.24574	-48.233E-6	-0.090707	7.5461E-6
	30.18029	21.47683	0.00000	-0.11987	-0.24574	-46.597E-6	-0.088935	7.3988E-6
	29.87865	21.86192	0.00000	-0.11606	-0.24574	-44.711E-6	-0.086865	7.2268E-6
	29.57700	22.24700	0.00000	-0.11175	-0.24574	-42.619E-6	-0.084533	7.0331E-6
B1	20.51600	5.45840	0.00000	0.026413	-0.24574	0.0	-0.0069881	0.0
	20.90600	5.75035	0.00000	0.026468	-0.24574	0.0	-0.0073205	0.0
	21.29600	6.04230	0.00000	0.026482	-0.24574	0.0	-0.0076745	0.0
	21.68600	6.33425	0.00000	0.026449	-0.24574	0.0	-0.0080517	0.0
	22.07600	6.62620	0.00000	0.026364	-0.24574	0.0	-0.0084542	0.0
	22.46600	6.91815	0.00000	0.026222	-0.24574	0.0	-0.0088841	0.0
	22.85600	7.21010	0.00000	0.026015	-0.24574	0.0	-0.0093438	0.0
	23.24600	7.50205	0.00000	0.025737	-0.24574	0.0	-0.0098360	0.0
	23.63600	7.79400	0.00000	0.025379	-0.24574	-1.0708E-6	-0.010363	0.0
B2	23.63570	7.79430	0.00000	0.025379	-0.24574	-1.0708E-6	-0.010363	0.0
	23.35385	8.15915	0.00000	0.025318	-0.24574	-1.0847E-6	-0.010441	0.0
	23.07200	8.52400	0.00000	0.025262	-0.24574	-1.0973E-6	-0.010511	0.0
B3	23.07170	8.52450	0.00000	0.025262	-0.24574	-1.0973E-6	-0.010511	0.0
	23.44518	8.80845	0.00000	0.024807	-0.24574	-1.1992E-6	-0.011070	0.0
	23.81866	9.09241	0.00000	0.024258	-0.24574	-1.3127E-6	-0.011669	0.0
	24.19215	9.37636	0.00000	0.023605	-0.24574	-1.4396E-6	-0.012313	1.0256E-6
	24.56563	9.66032	0.00000	0.022838	-0.24574	-1.5815E-6	-0.013006	1.0833E-6
	24.93911	9.94427	0.00000	0.021943	-0.24574	-1.7408E-6	-0.013752	1.1454E-6
	25.31259	10.22823	0.00000	0.020909	-0.24574	-1.9199E-6	-0.014556	1.2124E-6
	25.68607	10.51218	0.00000	0.019720	-0.24574	-2.1219E-6	-0.015426	1.2848E-6
	26.05956	10.79614	0.00000	0.018361	-0.24574	-2.3502E-6	-0.016367	1.3632E-6
	26.43304	11.08009	0.00000	0.016812	-0.24574	-2.6089E-6	-0.017386	1.4481E-6
	26.80652	11.36405	0.00000	0.015055	-0.24574	-2.9030E-6	-0.018493	1.5402E-6
	27.18000	11.64800	0.00000	0.013066	-0.24574	-3.2383E-6	-0.019698	1.6405E-6
B4	27.18010	11.64810	0.00000	0.013065	-0.24574	-3.2384E-6	-0.019698	1.6405E-6
	27.39840	11.36107	0.00000	0.013346	-0.24574	-3.1913E-6	-0.019534	1.6268E-6
	27.61670	11.07403	0.00000	0.013648	-0.24574	-3.1409E-6	-0.019356	1.6121E-6
	27.83500	10.78700	0.00000	0.013969	-0.24574	-3.0873E-6	-0.019167	1.5963E-6
B5	27.83520	10.78650	0.00000	0.013970	-0.24574	-3.0871E-6	-0.019166	1.5962E-6
	28.22811	11.07862	0.00000	0.011770	-0.24574	-3.4608E-6	-0.020472	1.7049E-6
	28.62102	11.37073	0.00000	0.0092819	-0.24574	-3.8906E-6	-0.021899	1.8238E-6
	29.01392	11.66285	0.00000	0.0064750	-0.24574	-4.3866E-6	-0.023463	1.9540E-6
	29.40683	11.95496	0.00000	0.0033136	-0.24574	-4.9612E-6	-0.025181	2.0970E-6
	29.79974	12.24708	0.00000	-242.05E-6	-0.24574	-5.6294E-6	-0.027071	2.2543E-6
	30.19265	12.53919	0.00000	-0.0042365	-0.24574	-6.4097E-6	-0.029157	2.4279E-6
	30.58555	12.83131	0.00000	-0.0087198	-0.24574	-7.3247E-6	-0.031464	2.6199E-6
	30.97846	13.12342	0.00000	-0.013749	-0.24574	-8.4028E-6	-0.034022	2.8328E-6
	31.37137	13.41554	0.00000	-0.019387	-0.24574	-9.6793E-6	-0.036867	3.0695E-6
	31.76428	13.70765	0.00000	-0.025708	-0.24574	-11.199E-6	-0.040041	3.3336E-6
	32.15718	13.99977	0.00000	-0.032794	-0.24574	-13.017E-6	-0.043593	3.6291E-6
	32.55009	14.29188	0.00000	-0.040739	-0.24574	-15.206E-6	-0.047580	3.9608E-6
	32.94300	14.58400	0.00000	-0.049651	-0.24574	-17.859E-6	-0.052073	4.3346E-6
B6	32.94260	14.58390	0.00000	-0.049645	-0.24574	-17.857E-6	-0.052070	4.3343E-6
	32.73007	14.86960	0.00000	-0.051783	-0.24574	-18.516E-6	-0.053145	4.4236E-6
	32.51753	15.15530	0.00000	-0.053823	-0.24574	-19.155E-6	-0.054171	4.5090E-6
	32.30500	15.44100	0.00000	-0.055753	-0.24574	-19.768E-6	-0.055144	4.5899E-6
B7	32.30530	15.44110	0.00000	-0.055759	-0.24574	-19.770E-6	-0.055147	4.5902E-6
	32.60153	15.65740	0.00000	-0.063848	-0.24574	-22.493E-6	-0.059274	4.9334E-6
	32.89777	15.87370	0.00000	-0.072699	-0.24574	-25.689E-6	-0.063831	5.3123E-6
	33.19400	16.09000	0.00000	-0.082391	-0.24574	-29.457E-6	-0.068876	5.7318E-6
B8	33.19380	16.08980	0.00000	-0.082383	-0.24574	-29.454E-6	-0.068872	5.7314E-6
	32.90395	16.47549	0.00000	-0.085736	-0.24574	-30.785E-6	-0.070617	5.8765E-6
	32.61409	16.86118	0.00000	-0.088736	-0.24574	-31.997E-6	-0.072182	6.0066E-6
	32.32424	17.24687	0.00000	-0.091340	-0.24574	-33.064E-6	-0.073545	6.1199E-6
	32.03438	17.63256	0.00000	-0.093512	-0.24574	-33.965E-6	-0.074685	6.2146E-6
	31.74453	18.01826	0.00000	-0.095220	-0.24574	-34.681E-6	-0.075582	6.2892E-6
	31.45467	18.40395	0.00000	-0.096438	-0.24574	-35.195E-6	-0.076223	6.3425E-6
	31.16482	18.78964	0.00000	-0.097149	-0.24574	-35.496E-6	-0.076597	6.3736E-6
	30.87496	19.17533	0.00000	-0.097341	-0.24574	-35.577E-6	-0.076698	6.3820E-6
	30.58511	19.56102	0.00000	-0.097011	-0.24574	-35.437E-6	-0.076524	6.3675E-6
	30.29525	19.94671	0.00000	-0.096164	-0.24574	-35.079E-6	-0.076079	6.3305E-6
	30.00540	20.33240	0.00000	-0.094814	-0.24574	-34.511E-6	-0.075369	6.2715E-6
	29.71555	20.71809	0.00000	-0.092980	-0.24574	-33.745E-6	-0.074406	6.1914E-6
	29.42569	21.10378	0.00000	-0.090690	-0.24574	-32.797E-6	-0.073205	6.0916E-6
	29.13584	21.48947	0.00000	-0.087977	-0.24574	-31.689E-6	-0.071787	5.9737E-6
	28.84598	21.87516	0.00000	-0.084880	-0.24574	-30.444E-6	-0.070171	5.8394E-6
	28.55613	22.26085	0.00000	-0.081440	-0.24574	-29.085E-6	-0.068383	5.6907E-6
	28.26627	22.64655	0.00000	-0.077704	-0.24574	-27.640E-6	-0.066447	5.5298E-6
	27.97642	23.03224	0.00000	-0.073719	-0.24574	-26.136E-6	-0.064390	5.3588E-6
	27.68656	23.41793	0.00000	-0.069532	-0.24574	-24.596E-6	-0.062238	5.1798E-6
	27.39671	23.80362	0.00000	-0.065190	-0.24574	-23.046E-6	-0.060016	4.9951E-6
	27.10686	24.18931	0.00000	-0.060740	-0.24574	-21.506E-6	-0.057748	4.8065E-6
	26.81700	24.57500	0.00000	-0.056224	-0.24574	-19.996E-6	-0.055456	4.6159E-6
B9	26.81720	24.57520	0.00000	-0.056229	-0.24574	-19.997E-6	-0.055459	4.6161E-6
	26.47583	24.30917	0.00000	-0.048115	-0.24574	-17.417E-6	-0.051343	4.2738E-6
	26.13447	24.04313	0.00000	-0.040725	-0.24574	-15.225E-6	-0.047617	3.9639E-6
	25.79310	23.77710	0.00000	-0.033993	-0.24574	-13.354E-6	-0.044235	3.6826E-6
	25.45173	23.51107	0.00000	-0.027863	-0.24574	-11.752E-6	-0.041161	3.4268E-6
	25.11037	23.24503	0.00000	-0.022283	-0.24574	-10.374E-6	-0.038360	3.1938E-6
	24.76900	22.97900	0.00000	-0.017204	-0.24574	-9.1850E-6	-0.035803	2.9810E-6
B10	24.76850	22.97880	0.00000	-0.017197	-0.24574	-9.1835E-6	-0.035800	2.9808E-6
	25.02913	22.63010	0.00000	-0.019127	-0.24574	-9.6266E-6	-0.036764	3.0609E-6
	25.28975	22.28140	0.00000	-0.021012	-0.24574	-10.067E-6	-0.037703	3.1391E-6
	25.55037	21.93270	0.00000	-0.022837	-0.24574	-10.501E-6	-0.038612	3.2147E-6
	25.81100	21.58400	0.00000	-0.024589	-0.24574	-10.924E-6	-0.039483	3.2872E-6
B11	25.81110	21.58440	0.00000	-0.024592	-0.24574	-10.925E-6	-0.039485	3.2874E-6

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Stresses Vert Stress [kN/m²]	Stresses Sum Princ [kN/m²]	Stresses Vert Strain [-]
	25.43288	21.29012	0.00000	-0.018554	-0.24574	-9.4873E-6	-0.036451	3.0349E-6
	25.05466	20.99584	0.00000	-0.013149	-0.24574	-8.2722E-6	-0.033721	2.8078E-6
	24.67644	20.70156	0.00000	-0.0083121	-0.24574	-7.2404E-6	-0.031258	2.6027E-6
	24.29822	20.40728	0.00000	-0.0039852	-0.24574	-6.3602E-6	-0.029029	2.4173E-6
	23.92000	20.11300	0.00000	-117.37E-6	-0.24574	-5.6060E-6	-0.027008	2.2490E-6
B12	23.91980	20.11290	0.00000	-115.61E-6	-0.24574	-5.6057E-6	-0.027007	2.2490E-6
	24.21040	19.73945	0.00000	-0.0010863	-0.24574	-5.7909E-6	-0.027511	2.2909E-6
	24.50100	19.36600	0.00000	-0.0019970	-0.24574	-5.9662E-6	-0.027982	2.3301E-6
B13	24.50090	19.36600	0.00000	-0.0019963	-0.24574	-5.9661E-6	-0.027982	2.3301E-6
	24.13642	19.08633	0.00000	0.0015609	-0.24574	-5.2858E-6	-0.026108	2.1742E-6
	23.77193	18.80667	0.00000	0.0047445	-0.24574	-4.6973E-6	-0.024400	2.0319E-6
	23.40745	18.52700	0.00000	0.0075908	-0.24574	-4.1865E-6	-0.022838	1.9019E-6
	23.04297	18.24733	0.00000	0.010132	-0.24574	-3.7414E-6	-0.021408	1.7829E-6
	22.67848	17.96767	0.00000	0.012397	-0.24574	-3.3524E-6	-0.020096	1.6737E-6
	22.31400	17.68800	0.00000	0.014412	-0.24574	-3.0113E-6	-0.018890	1.5732E-6
B14	22.31400	17.68840	0.00000	0.014411	-0.24574	-3.0115E-6	-0.018890	1.5733E-6
	22.04420	18.04032	0.00000	0.014779	-0.24574	-2.9503E-6	-0.018669	1.5549E-6
	21.77440	18.39224	0.00000	0.015172	-0.24574	-2.8850E-6	-0.018432	1.5351E-6
	21.50460	18.74416	0.00000	0.015588	-0.24574	-2.8162E-6	-0.018178	1.5140E-6
	21.23480	19.09608	0.00000	0.016023	-0.24574	-2.7441E-6	-0.017910	1.4917E-6
	20.96500	19.44800	0.00000	0.016475	-0.24574	-2.6694E-6	-0.017629	1.4683E-6
B15	20.96450	19.44760	0.00000	0.016478	-0.24574	-2.6690E-6	-0.017628	1.4682E-6
	20.57167	19.15253	0.00000	0.018100	-0.24574	-2.3978E-6	-0.016568	1.3799E-6
	20.17883	18.85747	0.00000	0.019524	-0.24574	-2.1591E-6	-0.015591	1.2986E-6
	19.78600	18.56240	0.00000	0.020766	-0.24574	-1.9484E-6	-0.014690	1.2235E-6
	19.39317	18.26733	0.00000	0.021845	-0.24574	-1.7620E-6	-0.013856	1.1541E-6
	19.00033	17.97227	0.00000	0.022777	-0.24574	-1.5966E-6	-0.013084	1.0899E-6
	18.60750	17.67720	0.00000	0.023574	-0.24574	-1.4495E-6	-0.012369	1.0303E-6
	18.21467	17.38213	0.00000	0.024250	-0.24574	-1.3184E-6	-0.011704	0.0
	17.82183	17.08707	0.00000	0.024817	-0.24574	-1.2013E-6	-0.011087	0.0
	17.42900	16.79200	0.00000	0.025284	-0.24574	-1.0965E-6	-0.010512	0.0
B16	17.42900	16.79160	0.00000	0.025284	-0.24574	-1.0965E-6	-0.010511	0.0
	17.71689	16.39087	0.00000	0.025192	-0.24574	-1.1170E-6	-0.010624	0.0
	18.00478	15.99013	0.00000	0.025104	-0.24574	-1.1361E-6	-0.010729	0.0
	18.29267	15.58940	0.00000	0.025022	-0.24574	-1.1537E-6	-0.010825	0.0
	18.58055	15.18867	0.00000	0.024946	-0.24574	-1.1696E-6	-0.010911	0.0
	18.86844	14.78793	0.00000	0.024878	-0.24574	-1.1838E-6	-0.010987	0.0
	19.15633	14.38720	0.00000	0.024818	-0.24574	-1.1962E-6	-0.011053	0.0
	19.44422	13.98647	0.00000	0.024767	-0.24574	-1.2066E-6	-0.011108	0.0
	19.73211	13.58573	0.00000	0.024726	-0.24574	-1.2150E-6	-0.011153	0.0
	20.02000	13.18500	0.00000	0.024694	-0.24574	-1.2214E-6	-0.011187	0.0
B17	20.01990	13.18500	0.00000	0.024694	-0.24574	-1.2214E-6	-0.011187	0.0
	19.64193	12.87575	0.00000	0.025187	-0.24574	-1.1129E-6	-0.010596	0.0
	19.26395	12.56650	0.00000	0.025585	-0.24574	-1.0158E-6	-0.010046	0.0
	18.88597	12.25725	0.00000	0.025899	-0.24574	0.0	-0.0095344	0.0
	18.50800	11.94800	0.00000	0.026136	-0.24574	0.0	-0.0090570	0.0
B18	18.50750	11.94840	0.00000	0.026136	-0.24574	0.0	-0.0090560	0.0
	18.77533	11.59927	0.00000	0.026124	-0.24574	0.0	-0.0090826	0.0
	19.04317	11.25013	0.00000	0.026115	-0.24574	0.0	-0.0091020	0.0
	19.31100	10.90100	0.00000	0.026108	-0.24574	0.0	-0.0091151	0.0
B19	19.31120	10.90070	0.00000	0.026108	-0.24574	0.0	-0.0091151	0.0
	18.93336	10.61616	0.00000	0.026282	-0.24574	0.0	-0.0086771	0.0
	18.55552	10.33162	0.00000	0.026396	-0.24574	0.0	-0.0082671	0.0
	18.17768	10.04708	0.00000	0.026457	-0.24574	0.0	-0.0078827	0.0
	17.79984	9.76254	0.00000	0.026469	-0.24574	0.0	-0.0075220	0.0
	17.42200	9.47800	0.00000	0.026439	-0.24574	0.0	-0.0071832	0.0
B20	17.42210	9.47830	0.00000	0.026439	-0.24574	0.0	-0.0071834	0.0
	17.70336	9.11282	0.00000	0.026440	-0.24574	0.0	-0.0071887	0.0
	17.98463	8.74734	0.00000	0.026440	-0.24574	0.0	-0.0071893	0.0
	18.26589	8.38186	0.00000	0.026440	-0.24574	0.0	-0.0071853	0.0
	18.54716	8.01637	0.00000	0.026439	-0.24574	0.0	-0.0071765	0.0
	18.82842	7.65089	0.00000	0.026438	-0.24574	0.0	-0.0071630	0.0
	19.10968	7.28541	0.00000	0.026436	-0.24574	0.0	-0.0071450	0.0
	19.39095	6.91993	0.00000	0.026433	-0.24574	0.0	-0.0071223	0.0
	19.67221	6.55445	0.00000	0.026430	-0.24574	0.0	-0.0070952	0.0
	19.95347	6.18896	0.00000	0.026425	-0.24574	0.0	-0.0070637	0.0
	20.23474	5.82348	0.00000	0.026419	-0.24574	0.0	-0.0070279	0.0
	20.51600	5.45800	0.00000	0.026413	-0.24574	0.0	-0.0069879	0.0
C1	36.28630	29.95040	0.00000	-1.4369	-0.24574	-0.019538	-1.7787	143.33E-6
	36.00605	30.31047	0.00000	-1.1730	-0.24574	-0.0082392	-1.2205	99.638E-6
	35.72579	30.67053	0.00000	-0.97764	-0.24574	-0.0041352	-0.89742	73.744E-6
	35.44553	31.03060	0.00000	-0.82669	-0.24574	-0.0023320	-0.69089	56.986E-6
	35.16528	31.39067	0.00000	-0.70645	-0.24574	-0.0014287	-0.54952	45.431E-6
	34.88502	31.75073	0.00000	-0.60847	-0.24574	-930.88E-6	-0.44781	37.081E-6
	34.60477	32.11080	0.00000	-0.52722	-0.24574	-635.90E-6	-0.37186	30.826E-6
	34.32451	32.47087	0.00000	-0.45892	-0.24574	-450.93E-6	-0.31346	26.006E-6
	34.04425	32.83093	0.00000	-0.40084	-0.24574	-329.56E-6	-0.26750	22.207E-6
	33.76400	33.19100	0.00000	-0.35102	-0.24574	-246.92E-6	-0.23063	19.156E-6
C2	33.76390	33.19130	0.00000	-0.35099	-0.24574	-246.88E-6	-0.23061	19.154E-6
	33.36463	32.91083	0.00000	-0.33089	-0.24574	-225.15E-6	-0.21751	18.068E-6
	32.96536	32.63036	0.00000	-0.31029	-0.24574	-203.13E-6	-0.20413	16.958E-6
	32.56609	32.34988	0.00000	-0.28945	-0.24574	-181.38E-6	-0.19070	15.845E-6
	32.16681	32.06942	0.00000	-0.26865	-0.24574	-160.41E-6	-0.17742	14.744E-6
	31.76754	31.78894	0.00000	-0.24813	-0.24574	-140.66E-6	-0.16449	13.671E-6
	31.36827	31.50847	0.00000	-0.22811	-0.24574	-122.47E-6	-0.15205	12.639E-6
	30.96900	31.22800	0.00000	-0.20875	-0.24574	-106.03E-6	-0.14024	11.659E-6
C3	30.96920	31.22780	0.00000	-0.20877	-0.24574	-106.04E-6	-0.14025	11.660E-6
	30.68783	31.62833	0.00000	-0.18496	-0.24574	-85.634E-6	-0.12563	10.447E-6
	30.40647	32.02887	0.00000	-0.16354	-0.24574	-69.828E-6	-0.11295	9.3944E-6
	30.12510	32.42940	0.00000	-0.14425	-0.24574	-57.444E-6	-0.10191	8.4771E-6
	29.84373	32.82993	0.00000	-0.12686	-0.24574	-47.639E-6	-0.092241	7.6741E-6
	29.56237	33.23046	0.00000	-0.11117	-0.24574	-39.800E-6	-0.083744	6.9680E-6
	29.28100	33.63100	0.00000	-0.097018	-0.24574	-33.476E-6	-0.076244	6.3447E-6
C4	29.28070	33.63110	0.00000	-0.097007	-0.24574	-33.471E-6	-0.076239	6.3443E-6
	29.00816	34.02228	0.00000	-0.10466	-0.24574	-36.445E-6	-0.080192	6.6729E-6
	30.05562	34.21346	0.00000	-0.11234	-0.24574	-39.516E-6	-0.084176	7.0041E-6
	30.44308	34.50464	0.00000	-0.11999	-0.24574	-42.649E-6	-0.088155	7.3348E-6
	30.83054	34.79582	0.00000	-0.12752	-0.24574	-45.807E-6	-0.092092	7.6622E-6
	31.21800	35.08700	0.00000	-0.13489	-0.24574	-48.945E-6	-0.095950	7.9828E-6
C5	31.21810	35.08720	0.00000	-0.13489	-0.24574	-48.944E-6	-0.095949	7.9827E-6
	31.42408	35.45556	0.00000	-0.13377	-0.24574	-47.973E-6	-0.095244	7.9242E-6
	31.63006	35.82392	0.00000	-0.13220	-0.24574	-46.830E-6	-0.094308	7.8466E-6
	31.83604	36.19228	0.00000	-0.13022	-0.24574	-45.540E-6	-0.093159	7.7511E-6
	32.04202	36.56064	0.00000	-0.12784	-0.24574	-44.130E-6	-0.091814	7.6394E-6
	32.24800	36.92900	0.00000	-0.12509	-0.24574	-42.624E-6	-0.090292	7.5129E-6
C6	32.24780	36.92890	0.00000	-0.12509	-0.24574	-42.622E-6	-0.090290	7.5128E-6
	32.62166	37.20398	0.00000	-0.12931	-0.24574	-44.207E-6	-0.092450	7.6924E-6
	32.99552	37.47907	0.00000	-0.13315	-0.24574	-45.650E-6	-0.094411	7.8554E-6
	33.36938	37.75415	0.00000	-0.13656	-0.24574	-46.937E-6	-0.096153	8.0003E-6
	33.74325	38.02924	0.00000	-0.13951	-0.24574	-48.054E-6	-0.097662	8.1257E-6
	34.11711	38.30432	0.00000	-0.14197	-0.24574	-48.991E-6	-0.098923	8.2305E-6
	34.49097	38.57941	0.00000	-0.14393	-0.24574	-49.740E-6	-0.099925	8.3138E-6
	34.86483	38.85449	0.00000	-0.14536	-0.24574	-50.292E-6	-0.10066	8.3748E-6
	35.23869	39.12958	0.00000	-0.14625	-0.24574	-50.644E-6	-0.10112	8.4130E-6
	35.61255	39.40466	0.00000	-0.14659	-0.24574	-50.792E-6	-0.10130	8.4279E-6
	35.98642	39.67974	0.00000	-0.14638	-0.24574	-50.735E-6	-0.10120	8.4195E-6
	36.36028	39.95483	0.00000	-0.14562	-0.24574	-50.471E-6	-0.10081	8.3877E-6
	36.73414	40.22992	0.00000	-0.14432	-0.24574	-50.003E-6	-0.10015	8.3329E-6
	37.10800	40.50500	0.00000	-0.14248	-0.24574	-49.333E-6	-0.099222	8.2554E-6
C7	37.10800	40.50550	0.00000	-0.14247	-0.24574	-49.325E-6	-0.099212	8.2546E-6
	37.37100	40.14800	0.00000	-0.16265	-0.24574	-59.257E-6	-0.11011	9.1599E-6
C8	37.37070	40.14850	0.00000	-0.16262	-0.24574	-59.242E-6	-0.11009	9.1587E-6
	37.77113	40.44315	0.00000	-0.15972	-0.24574	-58.085E-6	-0.10859	9.0341E-6
	38.17156	40.73780	0.00000	-0.15617	-0.24574	-56.656E-6	-0.10676	8.8815E-6
	38.57199	41.03245	0.00000	-0.15201	-0.24574	-54.971E-6	-0.10460	8.7024E-6
	38.97242	41.32710	0.00000	-0.14729	-0.24574	-53.049E-6	-0.10215	8.4987E-6
	39.37285	41.62175	0.00000	-0.14204	-0.24574	-50.913E-6	-0.099434	8.2726E-6
	39.77328	41.91640	0.00000	-0.13634	-0.24574	-48.592E-6	-0.096475	8.0267E-6
	40.17371	42.21105	0.00000	-0.13024	-0.24574	-46.120E-6	-0.093311	7.7637E-6
	40.57414	42.50570	0.00000	-0.12381	-0.24574	-43.531E-6	-0.089978	7.4865E-6
	40.97457	42.80035	0.00000	-0.11710	-0.24574	-40.866E-6	-0.086511	7.1983E-6
	41.37500	43.09500	0.00000	-0.11020	-0.24574	-38.162E-6	-0.082949	6.9022E-6
C9	41.37530	43.09540	0.00000	-0.11019	-0.24574	-38.158E-6	-0.082943	6.9017E-6
	41.63391	42.74383	0.00000	-0.12511	-0.24574	-45.113E-6	-0.090908	7.5637E-6
	41.89253	42.39227	0.00000	-0.14167	-0.24574	-53.705E-6	-0.099945	8.3145E-6
	42.15115	42.04070	0.00000	-0.16006	-0.24574	-64.422E-6	-0.11025	9.1703E-6
	42.40977	41.68913	0.00000	-0.18054	-0.24574	-77.936E-6	-0.12206	10.151E-6
	42.66838	41.33757	0.00000	-0.20340	-0.24574	-95.183E-6	-0.13567	11.281E-6
	42.92700	40.98600	0.00000	-0.22898	-0.24574	-117.50E-6	-0.15148	12.593E-6
C10	42.92740	40.98630	0.00000	-0.22896	-0.24574	-117.48E-6	-0.15147	12.592E-6
	42.59570	40.74215	0.00000	-0.24188	-0.24574	-127.59E-6	-0.15921	13.234E-6

Name	Location X [m]	Location Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	42.26400	40.49800	0.00000	-0.25461	-0.24574	-137.71E-6	-0.16686	13.869E-6
C11	42.26370	40.49780	0.00000	-0.25462	-0.24574	-137.71E-6	-0.16687	13.870E-6
	42.55653	40.09982	0.00000	-0.29207	-0.24574	-179.83E-6	-0.19165	15.924E-6
	42.84936	39.70184	0.00000	-0.33536	-0.24574	-239.74E-6	-0.22197	18.436E-6
	43.14219	39.30386	0.00000	-0.38575	-0.24574	-327.66E-6	-0.25965	21.554E-6
	43.43502	38.90588	0.00000	-0.44490	-0.24574	-461.65E-6	-0.30736	25.496E-6
	43.72785	38.50790	0.00000	-0.51507	-0.24574	-675.69E-6	-0.36917	30.592E-6
	44.02068	38.10992	0.00000	-0.59938	-0.24574	-0.0010385	-0.45161	37.371E-6
	44.31351	37.71194	0.00000	-0.70242	-0.24574	-0.0017035	-0.56583	46.722E-6
	44.60634	37.31396	0.00000	-0.83113	-0.24574	-0.0030589	-0.73251	60.272E-6
	44.89917	36.91598	0.00000	-0.99692	-0.24574	-0.0062783	-0.99458	81.304E-6
	45.19200	36.51800	0.00000	-1.2203	-0.24574	-0.015995	-1.4575	117.45E-6
C12	45.19230	36.51820	0.00000	-1.2202	-0.24574	-0.015992	-1.4573	117.43E-6
	44.80507	36.23263	0.00000	-1.3614	-0.24574	-0.020738	-1.7141	137.65E-6
	44.41784	35.94705	0.00000	-1.4879	-0.24574	-0.023776	-1.9220	154.21E-6
	44.03061	35.66148	0.00000	-1.5960	-0.24574	-0.025392	-2.0771	166.73E-6
	43.64338	35.37590	0.00000	-1.6858	-0.24574	-0.026168	-2.1893	175.89E-6
	43.25615	35.09033	0.00000	-1.7595	-0.24574	-0.026497	-2.2699	182.52E-6
	42.86892	34.80476	0.00000	-1.8190	-0.24574	-0.026586	-2.3276	187.30E-6
	42.48169	34.51918	0.00000	-1.8663	-0.24574	-0.026544	-2.3683	190.70E-6
	42.09446	34.23361	0.00000	-1.9030	-0.24574	-0.026426	-2.3962	193.06E-6
	41.70723	33.94804	0.00000	-1.9303	-0.24574	-0.026263	-2.4140	194.58E-6
	41.32000	33.66246	0.00000	-1.9491	-0.24574	-0.026072	-2.4237	195.44E-6
	40.93277	33.37689	0.00000	-1.9601	-0.24574	-0.025861	-2.4265	195.72E-6
	40.54554	33.09131	0.00000	-1.9636	-0.24574	-0.025636	-2.4230	195.49E-6
	40.15831	32.80574	0.00000	-1.9600	-0.24574	-0.025399	-2.4138	194.78E-6
	39.77107	32.52016	0.00000	-1.9492	-0.24574	-0.025151	-2.3989	193.60E-6
	39.38384	32.23459	0.00000	-1.9312	-0.24574	-0.024890	-2.3779	191.91E-6
	38.99661	31.94902	0.00000	-1.9055	-0.24574	-0.024611	-2.3502	189.68E-6
	38.60938	31.66344	0.00000	-1.8716	-0.24574	-0.024305	-2.3148	186.81E-6
	38.22215	31.37787	0.00000	-1.8288	-0.24574	-0.023959	-2.2701	183.16E-6
	37.83492	31.09230	0.00000	-1.7760	-0.24574	-0.023546	-2.2136	178.56E-6
	37.44769	30.80672	0.00000	-1.7119	-0.24574	-0.023022	-2.1420	172.73E-6
	37.06046	30.52115	0.00000	-1.6350	-0.24574	-0.022302	-2.0503	165.27E-6
	36.67323	30.23557	0.00000	-1.5438	-0.24574	-0.021230	-1.9319	155.67E-6
	36.28600	29.95000	0.00000	-1.4369	-0.24574	-0.019542	-1.7788	143.33E-6
D1	27.55940	34.85000	0.00000	-0.045444	-0.24574	-15.765E-6	-0.050077	4.1687E-6
	27.27313	35.24078	0.00000	-0.037778	-0.24574	-13.699E-6	-0.046287	3.8534E-6
	26.98687	35.63155	0.00000	-0.030830	-0.24574	-11.950E-6	-0.042860	3.5683E-6
	26.70060	36.02234	0.00000	-0.024535	-0.24574	-10.462E-6	-0.039756	3.3100E-6
	26.41433	36.41311	0.00000	-0.018833	-0.24574	-9.1906E-6	-0.036937	3.0755E-6
	26.12807	36.80389	0.00000	-0.013672	-0.24574	-8.0998E-6	-0.034372	2.8620E-6
	25.84180	37.19467	0.00000	-0.0090047	-0.24574	-7.1603E-6	-0.032033	2.6674E-6
	25.55553	37.58545	0.00000	-0.0047869	-0.24574	-6.3482E-6	-0.029897	2.4896E-6
	25.26927	37.97622	0.00000	-979.52E-6	-0.24574	-5.6437E-6	-0.027942	2.3269E-6
	24.98300	38.36700	0.00000	0.0024534	-0.24574	-5.0305E-6	-0.026150	2.1777E-6
D2	24.98330	38.36660	0.00000	0.0024500	-0.24574	-5.0311E-6	-0.026152	2.1779E-6
	24.68764	38.07677	0.00000	0.0038914	-0.24574	-4.7850E-6	-0.025374	2.1131E-6
	24.19197	37.78695	0.00000	0.0053217	-0.24574	-4.5426E-6	-0.024595	2.0482E-6
	23.79631	37.49712	0.00000	0.0067333	-0.24574	-4.3051E-6	-0.023816	1.9834E-6
	23.40065	37.20730	0.00000	0.0081196	-0.24574	-4.0734E-6	-0.023041	1.9189E-6
	23.00499	36.91748	0.00000	0.0094744	-0.24574	-3.8485E-6	-0.022273	1.8549E-6
	22.60933	36.62765	0.00000	0.010792	-0.24574	-3.6310E-6	-0.021514	1.7917E-6
	22.21366	36.33783	0.00000	0.012068	-0.24574	-3.4215E-6	-0.020766	1.7295E-6
	21.81800	36.04800	0.00000	0.013298	-0.24574	-3.2203E-6	-0.020031	1.6683E-6
D3	21.81810	36.04790	0.00000	0.013298	-0.24574	-3.2204E-6	-0.020032	1.6683E-6
	21.54309	36.43677	0.00000	0.015046	-0.24574	-2.9351E-6	-0.018989	1.5815E-6
	21.26807	36.82564	0.00000	0.016631	-0.24574	-2.6786E-6	-0.018012	1.5002E-6
	20.99306	37.21452	0.00000	0.018062	-0.24574	-2.4476E-6	-0.017096	1.4239E-6
	20.71804	37.60339	0.00000	0.019351	-0.24574	-2.2394E-6	-0.016237	1.3524E-6
	20.44303	37.99226	0.00000	0.020506	-0.24574	-2.0513E-6	-0.015431	1.2852E-6
	20.16801	38.38113	0.00000	0.021538	-0.24574	-1.8813E-6	-0.014673	1.2222E-6
	19.89300	38.77000	0.00000	0.022454	-0.24574	-1.7275E-6	-0.013962	1.1630E-6
D4	19.89340	38.77020	0.00000	0.022453	-0.24574	-1.7276E-6	-0.013963	1.1630E-6
	20.28624	39.05504	0.00000	0.021968	-0.24574	-1.8111E-6	-0.014363	1.1963E-6
	20.67907	39.33989	0.00000	0.021463	-0.24574	-1.8967E-6	-0.014765	1.2298E-6
	21.07191	39.62473	0.00000	0.020940	-0.24574	-1.9842E-6	-0.015169	1.2635E-6
	21.46474	39.90957	0.00000	0.020401	-0.24574	-2.0732E-6	-0.015574	1.2972E-6
	21.85758	40.19441	0.00000	0.019850	-0.24574	-2.1635E-6	-0.015978	1.3308E-6
	22.25042	40.47926	0.00000	0.019288	-0.24574	-2.2547E-6	-0.016380	1.3643E-6
	22.64326	40.76410	0.00000	0.018718	-0.24574	-2.3465E-6	-0.016778	1.3975E-6
	23.03609	41.04894	0.00000	0.018144	-0.24574	-2.4386E-6	-0.017172	1.4302E-6
	23.42893	41.33378	0.00000	0.017568	-0.24574	-2.5304E-6	-0.017559	1.4625E-6
	23.82176	41.61863	0.00000	0.016994	-0.24574	-2.6215E-6	-0.017939	1.4941E-6
	24.21460	41.90347	0.00000	0.016426	-0.24574	-2.7114E-6	-0.018309	1.5249E-6
	24.60744	42.18831	0.00000	0.015868	-0.24574	-2.7997E-6	-0.018667	1.5548E-6
	25.00027	42.47315	0.00000	0.015321	-0.24574	-2.8858E-6	-0.019014	1.5836E-6
	25.39311	42.75800	0.00000	0.014792	-0.24574	-2.9691E-6	-0.019345	1.6112E-6
	25.78595	43.04284	0.00000	0.014282	-0.24574	-3.0492E-6	-0.019661	1.6375E-6
	26.17878	43.32768	0.00000	0.013796	-0.24574	-3.1256E-6	-0.019960	1.6624E-6
	26.57162	43.61252	0.00000	0.013337	-0.24574	-3.1976E-6	-0.020239	1.6856E-6
	26.96445	43.89736	0.00000	0.012909	-0.24574	-3.2648E-6	-0.020497	1.7071E-6
	27.35729	44.18221	0.00000	0.012514	-0.24574	-3.3267E-6	-0.020734	1.7268E-6
	27.75013	44.46705	0.00000	0.012156	-0.24574	-3.3829E-6	-0.020947	1.7445E-6
	28.14296	44.75189	0.00000	0.011838	-0.24574	-3.4328E-6	-0.021135	1.7602E-6
	28.53580	45.03673	0.00000	0.011562	-0.24574	-3.4762E-6	-0.021298	1.7738E-6
	28.92864	45.32158	0.00000	0.011329	-0.24574	-3.5127E-6	-0.021434	1.7851E-6
	29.32147	45.60642	0.00000	0.011143	-0.24574	-3.5420E-6	-0.021543	1.7942E-6
	29.71431	45.89126	0.00000	0.011004	-0.24574	-3.5638E-6	-0.021623	1.8009E-6
	30.10715	46.17610	0.00000	0.010914	-0.24574	-3.5781E-6	-0.021675	1.8052E-6
	30.49998	46.46095	0.00000	0.010873	-0.24574	-3.5846E-6	-0.021698	1.8071E-6
	30.89282	46.74579	0.00000	0.010882	-0.24574	-3.5833E-6	-0.021692	1.8066E-6
	31.28565	47.03063	0.00000	0.010941	-0.24574	-3.5742E-6	-0.021657	1.8037E-6
	31.67849	47.31547	0.00000	0.011049	-0.24574	-3.5575E-6	-0.021594	1.7984E-6
	32.07133	47.60032	0.00000	0.011205	-0.24574	-3.5331E-6	-0.021501	1.7907E-6
	32.46416	47.88516	0.00000	0.011408	-0.24574	-3.5014E-6	-0.021381	1.7807E-6
	32.85700	48.17000	0.00000	0.011657	-0.24574	-3.4624E-6	-0.021234	1.7684E-6
D5	32.85690	48.17000	0.00000	0.011657	-0.24574	-3.4624E-6	-0.021233	1.7684E-6
	33.11963	47.81486	0.00000	0.0093101	-0.24574	-3.8389E-6	-0.022561	1.8789E-6
	33.38236	47.45971	0.00000	0.0066919	-0.24574	-4.2659E-6	-0.024001	1.9988E-6
	33.64508	47.10457	0.00000	0.0037755	-0.24574	-4.7515E-6	-0.025567	2.1292E-6
	33.90781	46.74943	0.00000	530.74E-6	-0.24574	-5.3053E-6	-0.027272	2.2711E-6
	34.17054	46.39429	0.00000	-0.0030759	-0.24574	-5.9389E-6	-0.029133	2.4260E-6
	34.43327	46.03914	0.00000	-0.0070817	-0.24574	-6.6662E-6	-0.031167	2.5954E-6
	34.69600	45.68400	0.00000	-0.011528	-0.24574	-7.5036E-6	-0.033396	2.7809E-6
D6	34.69560	45.68390	0.00000	-0.011527	-0.24574	-7.5034E-6	-0.033396	2.7808E-6
	34.38474	45.45393	0.00000	-0.012059	-0.24574	-7.5999E-6	-0.033664	2.8031E-6
	34.07387	45.22397	0.00000	-0.012522	-0.24574	-7.6842E-6	-0.033897	2.8225E-6
	33.76300	44.99400	0.00000	-0.012916	-0.24574	-7.7557E-6	-0.034095	2.8390E-6
D7	33.76280	44.99400	0.00000	-0.012915	-0.24574	-7.7555E-6	-0.034094	2.8390E-6
	34.03352	44.62660	0.00000	-0.018210	-0.24574	-8.8032E-6	-0.036712	3.0568E-6
	34.30424	44.25920	0.00000	-0.024108	-0.24574	-10.027E-6	-0.039606	3.2976E-6
	34.57496	43.89180	0.00000	-0.030679	-0.24574	-11.462E-6	-0.042813	3.5646E-6
	34.84568	43.52440	0.00000	-0.037999	-0.24574	-13.153E-6	-0.046379	3.8612E-6
	35.11640	43.15700	0.00000	-0.046159	-0.24574	-15.155E-6	-0.050353	4.1919E-6
	35.38712	42.78960	0.00000	-0.055258	-0.24574	-17.538E-6	-0.054798	4.5617E-6
	35.65784	42.42220	0.00000	-0.065412	-0.24574	-20.389E-6	-0.059785	4.9765E-6
	35.92856	42.05480	0.00000	-0.076755	-0.24574	-23.823E-6	-0.065400	5.4435E-6
	36.19928	41.68740	0.00000	-0.089439	-0.24574	-27.982E-6	-0.071746	5.9712E-6
	36.47000	41.32000	0.00000	-0.10364	-0.24574	-33.056E-6	-0.078948	6.5701E-6
D8	36.47000	41.32030	0.00000	-0.10363	-0.24574	-33.053E-6	-0.078943	6.5697E-6
	36.08257	41.03898	0.00000	-0.10490	-0.24574	-33.434E-6	-0.079565	6.6214E-6
	35.69513	40.75766	0.00000	-0.10574	-0.24574	-33.683E-6	-0.079979	6.6558E-6
	35.30770	40.47635	0.00000	-0.10615	-0.24574	-33.798E-6	-0.080181	6.6726E-6
	34.92026	40.19503	0.00000	-0.10614	-0.24574	-33.777E-6	-0.080170	6.6717E-6
	34.53283	39.91371	0.00000	-0.10570	-0.24574	-33.621E-6	-0.079946	6.6531E-6
	34.14539	39.63240	0.00000	-0.10483	-0.24574	-33.333E-6	-0.079511	6.6170E-6
	33.75796	39.35108	0.00000	-0.10354	-0.24574	-32.916E-6	-0.078871	6.5637E-6
	33.37052	39.06976	0.00000	-0.10185	-0.24574	-32.374E-6	-0.078030	6.4938E-6
	32.98309	38.78844	0.00000	-0.099779	-0.24574	-31.713E-6	-0.076998	6.4079E-6
	32.59565	38.50713	0.00000	-0.097335	-0.24574	-30.940E-6	-0.075784	6.3070E-6
	32.20822	38.22581	0.00000	-0.094547	-0.24574	-30.064E-6	-0.074399	6.1918E-6
	31.82078	37.94449	0.00000	-0.091440	-0.24574	-29.094E-6	-0.072856	6.0635E-6
	31.43335	37.66317	0.00000	-0.088044	-0.24574	-28.041E-6	-0.071170	5.9232E-6
	31.04591	37.38186	0.00000	-0.084388	-0.24574	-26.916E-6	-0.069356	5.7724E-6
	30.65848	37.10054	0.00000	-0.080507	-0.24574	-25.734E-6	-0.067431	5.6123E-6
	30.27104	36.81922	0.00000	-0.076434	-0.24574	-24.507E-6	-0.065412	5.4443E-6
	29.88361	36.53790	0.00000	-0.072205	-0.24574	-23.248E-6	-0.063316	5.2700E-6
	29.49617	36.25659	0.00000	-0.067853	-0.24574	-21.973E-6	-0.061160	5.0907E-6
	29.10874	35.97527	0.00000	-0.063415	-0.24574	-20.693E-6	-0.058963	4.9079E-6
	28.72130	35.69395	0.00000	-0.058922	-0.24574	-19.421E-6	-0.056741	4.7231E-6

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	28.33387	35.41264	0.00000	-0.054409	-0.24574	-18.169E-6	-0.054509	4.5374E-6
	27.94643	35.13132	0.00000	-0.049904	-0.24574	-16.947E-6	-0.052282	4.3522E-6
	27.55900	34.85000	0.00000	-0.045437	-0.24574	-15.763E-6	-0.050074	4.1684E-6

Pdisp Input and Output

Model: Long-term scheme

Notes
Long term scheme - Basement and underpins loads

Analysis Options
Analysis: Boussinesq
Global Poisson's ratio: 0.20
Maximum allowable ratio between values of E: 1.5
Horizontal rigid boundary level: -30.00 [m OD]
Displacements at area centroids calculated.

Soil ProfilesSoil Profile 1

Layer	Level at top	Number of intermediate displacement levels	Youngs Modulus Top [kN/m²]	Youngs Modulus Btm [kN/m²]	Poissons ratio	Non-linear curve
	[mOD]					
1	0.0	30	4224.0	77664.	0.20000	None

Soil Zones

Zone	Name	X coordinates min [m]	X coordinates max [m]	Y coordinates min [m]	Y coordinates max [m]	Profile
1	Site	0.0	82.305	0.0	57.420	Soil Profile 1

Non-linear Curve Coordinates - Non-linear Curve 1

Point	Strain [%]	Factor

Load Data

Load ref.	Name	Shape	Orientation of Plane	Centre of load (Global) X [m]	Y [m]	Z (level) [m]	Load position Angle of local x from [Degrees]	Width x or Radius [m]	Length y [m]	Polygon Coordinates [m]	Rectangle tolerance	Number of rectangles	Load value Normal (local z) [kN/m²]	Tangential (local x) [kN/m²]	Tangential (local y) [kN/m²]
1	Basement	Polygonal	Horizontal	N/A	N/A	-3.5000	N/A	N/A	N/A	(36.3,28.1) (48.4,37.2) (55.1,28.3) (43,19.1) (36.3,28.1)	10.000	1	55.000	N/A	N/A
2	Underpin	Polygonal	Horizontal	N/A	N/A	-3.5000	N/A	N/A	N/A	(37.7,25.5) (38.5,26.1) (40.8,23) (40,22.4) (37.7,25.5)	10.000	1	40.000	N/A	N/A

Polygonal Loads' Rectangles

No.	Centre of load X [m]	Y [m]	Angle of local x from global X [Degrees]	Width x [m]	Depth y [m]
Load 1 : Basement					
(Edge 2 optimal)					
1	45.697	28.181	-53.056	11.178	15.229
Load 2 : Underpin					
(Edge 2 optimal)					
1	39.243	24.260	-53.701	3.8573	0.99918

Displacement Data

Ref.	Type	Name	Direction of Extrusion	Line/Line for extrusion First point X [m]	First point Y [m]	First point Z(level) [m]	Second point X [m]	Second point Y [m]	Second point Z(level) [m]	No. of intrvls across extrusion/line	Extrusion Depth [m]	No. of intrvls along extrusion	Calculate	Show Detailed results
1	Line	A1	N/A	29.577	22.247	0.0	32.940	24.934	0.0	9	N/A	N/A	Yes	No
2	Line	A2	N/A	32.940	24.934	0.0	34.509	22.970	0.0	6	N/A	N/A	Yes	No
3	Line	A3	N/A	34.509	22.970	0.0	37.464	25.331	0.0	8	N/A	N/A	Yes	No
4	Line	A4	N/A	37.464	25.331	0.0	39.771	22.189	0.0	8	N/A	N/A	Yes	No
5	Line	A5	N/A	39.771	22.189	0.0	33.498	17.241	0.0	16	N/A	N/A	Yes	No
6	Line	A6	N/A	33.498	17.241	0.0	29.577	22.247	0.0	13	N/A	N/A	Yes	No
7	Line	B1	N/A	20.516	5.4584	0.0	23.636	7.7940	0.0	8	N/A	N/A	Yes	No
8	Line	B2	N/A	23.636	7.7943	0.0	23.072	8.5240	0.0	2	N/A	N/A	Yes	No
9	Line	B3	N/A	23.072	8.5245	0.0	27.180	11.648	0.0	11	N/A	N/A	Yes	No
10	Line	B4	N/A	27.180	11.648	0.0	27.835	10.787	0.0	3	N/A	N/A	Yes	No
11	Line	B5	N/A	27.835	10.786	0.0	32.943	14.584	0.0	13	N/A	N/A	Yes	No
12	Line	B6	N/A	32.943	14.584	0.0	32.305	15.441	0.0	3	N/A	N/A	Yes	No
13	Line	B7	N/A	32.305	15.441	0.0	33.194	16.090	0.0	3	N/A	N/A	Yes	No
14	Line	B8	N/A	33.194	16.090	0.0	26.817	24.575	0.0	22	N/A	N/A	Yes	No
15	Line	B9	N/A	26.817	24.575	0.0	24.769	22.979	0.0	6	N/A	N/A	Yes	No
16	Line	B10	N/A	24.768	22.979	0.0	25.811	21.584	0.0	4	N/A	N/A	Yes	No
17	Line	B11	N/A	25.811	21.584	0.0	23.920	20.113	0.0	5	N/A	N/A	Yes	No
18	Line	B12	N/A	23.920	20.113	0.0	24.501	19.366	0.0	2	N/A	N/A	Yes	No
19	Line	B13	N/A	24.501	19.366	0.0	22.314	17.688	0.0	6	N/A	N/A	Yes	No
20	Line	B14	N/A	22.314	17.688	0.0	20.965	19.448	0.0	5	N/A	N/A	Yes	No
21	Line	B15	N/A	20.965	19.448	0.0	17.429	16.792	0.0	9	N/A	N/A	Yes	No
22	Line	B16	N/A	17.429	16.792	0.0	20.020	13.185	0.0	9	N/A	N/A	Yes	No
23	Line	B17	N/A	20.020	13.185	0.0	18.508	11.948	0.0	4	N/A	N/A	Yes	No
24	Line	B18	N/A	18.507	11.948	0.0	19.311	10.901	0.0	3	N/A	N/A	Yes	No
25	Line	B19	N/A	19.311	10.901	0.0	17.422	9.4780	0.0	5	N/A	N/A	Yes	No
26	Line	B20	N/A	17.422	9.4783	0.0	20.516	5.4580	0.0	11	N/A	N/A	Yes	No
27	Line	C1	N/A	36.286	29.950	0.0	33.764	33.191	0.0	9	N/A	N/A	Yes	No
28	Line	C2	N/A	33.764	33.191	0.0	30.969	31.228	0.0	7	N/A	N/A	Yes	No
29	Line	C3	N/A	30.969	31.228	0.0	29.281	33.631	0.0	6	N/A	N/A	Yes	No
30	Line	C4	N/A	29.281	33.631	0.0	31.218	35.087	0.0	5	N/A	N/A	Yes	No
31	Line	C5	N/A	31.218	35.087	0.0	32.248	36.929	0.0	5	N/A	N/A	Yes	No
32	Line	C6	N/A	32.248	36.929	0.0	37.108	40.505	0.0	13	N/A	N/A	Yes	No
33	Line	C7	N/A	37.108	40.506	0.0	37.371	40.148	0.0	1	N/A	N/A	Yes	No
34	Line	C8	N/A	37.371	40.148	0.0	41.375	43.095	0.0	10	N/A	N/A	Yes	No
35	Line	C9	N/A	41.375	43.095	0.0	42.927	40.986	0.0	6	N/A	N/A	Yes	No
36	Line	C10	N/A	42.927	40.986	0.0	42.264	40.498	0.0	2	N/A	N/A	Yes	No
37	Line	C11	N/A	42.264	40.498	0.0	45.192	36.518	0.0	10	N/A	N/A	Yes	No
38	Line	C12	N/A	45.192	36.518	0.0	36.286	29.950	0.0	23	N/A	N/A	Yes	No
39	Line	D1	N/A	27.559	34.850	0.0	24.983	38.367	0.0	9	N/A	N/A	Yes	No
40	Line	D2	N/A	24.983	38.367	0.0	21.818	36.048	0.0	8	N/A	N/A	Yes	No
41	Line	D3	N/A	21.818	36.048	0.0	19.893	38.770	0.0	7	N/A	N/A	Yes	No
42	Line	D4	N/A	19.893	38.770	0.0	32.857	48.170	0.0	33	N/A	N/A	Yes	No
43	Line	D5	N/A	32.857	48.170	0.0	34.696	45.684	0.0	7	N/A	N/A	Yes	No
44	Line	D6	N/A	34.696	45.684	0.0	33.763	44.994	0.0	3	N/A	N/A	Yes	No
45	Line	D7	N/A	33.763	44.994	0.0	36.470	41.320	0.0	10	N/A	N/A	Yes	No
46	Line	D8	N/A	36.470	41.320	0.0	27.559	34.850	0.0	23	N/A	N/A	Yes	No
47	Grid	Grid 1	Global X	0.0	0.0	0.0	N/A	57.420	0.0	99	82.305	99	No	N/A

RESULTS FOR GRIDS

Analysis: Boussinesq
Global Poisson's ratio: 0.20
Horizontal rigid boundary level: -30.00 [m OD]

The maximum displacement difference between
Boussinesq method (9.6259mm) and Mindlin method (7.9290mm)
occurs at point X=38.617m Y=23.760m Level 0.0mOD and is 1.6969mm

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
Basement	45.69659	28.18137	-3.50000	21.823	-3.7349	54.998	127.65	0.0030292
Underpin	39.24330	24.26020	-3.50000	16.929	-3.7349	79.471	149.20	0.0049050
A1	29.57730	22.24750	0.00000	0.84030	-0.24574	0.0	0.0	0.0
	29.95093	22.54600	0.00000	0.92189	-0.24574	0.0	0.0	0.0
	30.32457	22.84450	0.00000	1.0123	-0.24574	0.0	0.0	0.0
	30.69820	23.14300	0.00000	1.1128	-0.24574	0.0	0.0	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	31.07183	23.44150	0.00000	1.2247	-0.24574	0.0	0.0	0.0
	31.44547	23.74000	0.00000	1.3497	-0.24574	0.0	0.0	0.0
	31.81910	24.03850	0.00000	1.4896	-0.24574	0.0	0.0	0.0
	32.19273	24.33700	0.00000	1.6470	-0.24574	0.0	0.0	0.0
	32.56637	24.63550	0.00000	1.8247	-0.24574	0.0	0.0	0.0
	32.94000	24.93400	0.00000	2.0262	-0.24574	0.0	0.0	0.0
A2	32.93970	24.93420	0.00000	2.0260	-0.24574	0.0	0.0	0.0
	33.20125	24.60683	0.00000	2.1161	-0.24574	0.0	0.0	0.0
	33.46280	24.27947	0.00000	2.2035	-0.24574	0.0	0.0	0.0
	33.72435	23.95210	0.00000	2.2870	-0.24574	0.0	0.0	0.0
	33.98590	23.62473	0.00000	2.3657	-0.24574	0.0	0.0	0.0
	34.24745	23.29737	0.00000	2.4386	-0.24574	0.0	0.0	0.0
	34.50900	22.97000	0.00000	2.5046	-0.24574	0.0	0.0	0.0
A3	34.50920	22.97010	0.00000	2.5048	-0.24574	0.0	0.0	0.0
	34.87855	23.26521	0.00000	2.8257	-0.24574	0.0	0.0	0.0
	35.24790	23.56033	0.00000	3.2043	-0.24574	0.0	0.0	0.0
	35.61725	23.85544	0.00000	3.6564	-0.24574	0.0	0.0	0.0
	35.98660	24.15055	0.00000	4.2050	-0.24574	0.0	0.0	0.0
	36.35595	24.44566	0.00000	4.8845	-0.24574	0.0	0.0	0.0
	36.72530	24.74077	0.00000	5.7507	-0.24574	0.0	0.0	0.0
	37.09465	25.03589	0.00000	6.9051	-0.24574	0.0	0.0	0.0
	37.46400	25.33100	0.00000	8.5577	-0.24574	0.0	0.0	0.0
A4	37.46360	25.33080	0.00000	8.5557	-0.24574	0.0	0.0	0.0
	37.75203	24.93807	0.00000	9.0550	-0.24574	0.0	0.0	0.0
	38.04045	24.54535	0.00000	9.3750	-0.24574	0.0	0.0	0.0
	38.32888	24.15262	0.00000	9.5535	-0.24574	0.0	0.0	0.0
	38.61730	23.75990	0.00000	9.6259	-0.24574	0.0	0.0	0.0
	38.90572	23.36717	0.00000	9.6027	-0.24574	0.0	0.0	0.0
	39.19415	22.97445	0.00000	9.4735	-0.24574	0.0	0.0	0.0
	39.48257	22.58172	0.00000	9.2023	-0.24574	0.0	0.0	0.0
	39.77100	22.18900	0.00000	8.7653	-0.24574	0.0	0.0	0.0
A5	39.77130	22.18930	0.00000	8.7672	-0.24574	0.0	0.0	0.0
	39.37922	21.88003	0.00000	7.0369	-0.24574	0.0	0.0	0.0
	38.98714	21.57076	0.00000	5.8280	-0.24574	0.0	0.0	0.0
	38.59505	21.26149	0.00000	4.9200	-0.24574	0.0	0.0	0.0
	38.20298	20.95222	0.00000	4.2081	-0.24574	0.0	0.0	0.0
	37.81089	20.64296	0.00000	3.6348	-0.24574	0.0	0.0	0.0
	37.41881	20.33369	0.00000	3.1639	-0.24574	0.0	0.0	0.0
	37.02673	20.02442	0.00000	2.7714	-0.24574	0.0	0.0	0.0
	36.63465	19.71515	0.00000	2.4404	-0.24574	0.0	0.0	0.0
	36.24257	19.40588	0.00000	2.1585	-0.24574	0.0	0.0	0.0
	35.85049	19.09661	0.00000	1.9164	-0.24574	0.0	0.0	0.0
	35.45840	18.78734	0.00000	1.7072	-0.24574	0.0	0.0	0.0
	35.06633	18.47808	0.00000	1.5251	-0.24574	0.0	0.0	0.0
	34.67424	18.16881	0.00000	1.3659	-0.24574	0.0	0.0	0.0
	34.28216	17.85954	0.00000	1.2260	-0.24574	0.0	0.0	0.0
	33.89008	17.55027	0.00000	1.1026	-0.24574	0.0	0.0	0.0
	33.49800	17.24100	0.00000	0.99330	-0.24574	0.0	0.0	0.0
A6	33.49840	17.24090	0.00000	0.99334	-0.24574	0.0	0.0	0.0
	33.19675	17.62598	0.00000	0.99956	-0.24574	0.0	0.0	0.0
	32.89511	18.01107	0.00000	1.0026	-0.24574	0.0	0.0	0.0
	32.59346	18.39615	0.00000	1.0024	-0.24574	0.0	0.0	0.0
	32.29182	18.78124	0.00000	0.99890	-0.24574	0.0	0.0	0.0
	31.99017	19.16632	0.00000	0.99223	-0.24574	0.0	0.0	0.0
	31.68852	19.55141	0.00000	0.98244	-0.24574	0.0	0.0	0.0
	31.38688	19.93649	0.00000	0.96963	-0.24574	0.0	0.0	0.0
	31.08523	20.32158	0.00000	0.95396	-0.24574	0.0	0.0	0.0
	30.78358	20.70666	0.00000	0.93562	-0.24574	0.0	0.0	0.0
	30.48194	21.09175	0.00000	0.91483	-0.24574	0.0	0.0	0.0
	30.18029	21.47683	0.00000	0.89182	-0.24574	0.0	0.0	0.0
	29.87865	21.86192	0.00000	0.86686	-0.24574	0.0	0.0	0.0
	29.57700	22.24700	0.00000	0.84023	-0.24574	0.0	0.0	0.0
B1	20.51600	5.45840	0.00000	0.027659	-0.24574	0.0	0.0	0.0
	20.90600	5.75035	0.00000	0.031377	-0.24574	0.0	0.0	0.0
	21.29600	6.04230	0.00000	0.035422	-0.24574	0.0	0.0	0.0
	21.68600	6.33425	0.00000	0.039820	-0.24574	0.0	0.0	0.0
	22.07600	6.62620	0.00000	0.044604	-0.24574	0.0	0.0	0.0
	22.46600	6.91815	0.00000	0.049808	-0.24574	0.0	0.0	0.0
	22.85600	7.21010	0.00000	0.055468	-0.24574	0.0	0.0	0.0
	23.24600	7.50205	0.00000	0.061625	-0.24574	0.0	0.0	0.0
	23.63600	7.79400	0.00000	0.068325	-0.24574	0.0	0.0	0.0
B2	23.63519	7.79430	0.00000	0.068325	-0.24574	0.0	0.0	0.0
	23.35385	8.15915	0.00000	0.068904	-0.24574	0.0	0.0	0.0
	23.07200	8.52400	0.00000	0.069379	-0.24574	0.0	0.0	0.0
B3	23.07170	8.52450	0.00000	0.069381	-0.24574	0.0	0.0	0.0
	23.44518	8.80845	0.00000	0.076508	-0.24574	0.0	0.0	0.0
	23.81866	9.09241	0.00000	0.084246	-0.24574	0.0	0.0	0.0
	24.19215	9.37636	0.00000	0.092648	-0.24574	0.0	0.0	0.0
	24.56563	9.66032	0.00000	0.10177	-0.24574	0.0	0.0	0.0
	24.93911	9.94427	0.00000	0.11169	-0.24574	0.0	0.0	0.0
	25.31259	10.22823	0.00000	0.12247	-0.24574	0.0	0.0	0.0
	25.68607	10.51218	0.00000	0.13418	-0.24574	0.0	0.0	0.0
	26.05956	10.79614	0.00000	0.14693	-0.24574	0.0	0.0	0.0
	26.43304	11.08009	0.00000	0.16080	-0.24574	0.0	0.0	0.0
	26.80652	11.36405	0.00000	0.17590	-0.24574	0.0	0.0	0.0
	27.18000	11.64800	0.00000	0.19235	-0.24574	0.0	0.0	0.0
B4	27.18010	11.64810	0.00000	0.19236	-0.24574	0.0	0.0	0.0
	27.39840	11.36107	0.00000	0.19113	-0.24574	0.0	0.0	0.0
	27.61670	11.07403	0.00000	0.18970	-0.24574	0.0	0.0	0.0
	27.83500	10.78700	0.00000	0.18810	-0.24574	0.0	0.0	0.0
B5	27.83520	10.78650	0.00000	0.18809	-0.24574	0.0	0.0	0.0
	28.22811	11.07862	0.00000	0.20631	-0.24574	0.0	0.0	0.0
	28.62102	11.37073	0.00000	0.22623	-0.24574	0.0	0.0	0.0
	29.01392	11.66285	0.00000	0.24804	-0.24574	0.0	0.0	0.0
	29.40683	11.95496	0.00000	0.27192	-0.24574	0.0	0.0	0.0
	29.79974	12.24708	0.00000	0.29809	-0.24574	0.0	0.0	0.0
	30.19265	12.53919	0.00000	0.32679	-0.24574	0.0	0.0	0.0
	30.58555	12.83131	0.00000	0.35831	-0.24574	0.0	0.0	0.0
	30.97846	13.12342	0.00000	0.39295	-0.24574	0.0	0.0	0.0
	31.37137	13.41554	0.00000	0.43106	-0.24574	0.0	0.0	0.0
	31.76428	13.70765	0.00000	0.47303	-0.24574	0.0	0.0	0.0
	32.15718	13.99977	0.00000	0.51931	-0.24574	0.0	0.0	0.0
	32.55009	14.29188	0.00000	0.57042	-0.24574	0.0	0.0	0.0
	32.94300	14.58400	0.00000	0.62695	-0.24574	0.0	0.0	0.0
B6	32.94260	14.58390	0.00000	0.62691	-0.24574	0.0	0.0	0.0
	32.73007	14.86960	0.00000	0.63499	-0.24574	0.0	0.0	0.0
	32.51753	15.15530	0.00000	0.64229	-0.24574	0.0	0.0	0.0
	32.30500	15.44100	0.00000	0.64875	-0.24574	0.0	0.0	0.0
B7	32.30530	15.44110	0.00000	0.64879	-0.24574	0.0	0.0	0.0
	32.60153	15.65740	0.00000	0.69730	-0.24574	0.0	0.0	0.0
	32.89777	15.87370	0.00000	0.74980	-0.24574	0.0	0.0	0.0
	33.19400	16.09000	0.00000	0.80670	-0.24574	0.0	0.0	0.0
B8	33.19380	16.08980	0.00000	0.80665	-0.24574	0.0	0.0	0.0
	32.90395	16.47549	0.00000	0.81631	-0.24574	0.0	0.0	0.0
	32.61409	16.86118	0.00000	0.82374	-0.24574	0.0	0.0	0.0
	32.32424	17.24687	0.00000	0.82883	-0.24574	0.0	0.0	0.0
	32.03438	17.63256	0.00000	0.83154	-0.24574	0.0	0.0	0.0
	31.74453	18.01826	0.00000	0.83183	-0.24574	0.0	0.0	0.0
	31.45467	18.40395	0.00000	0.82968	-0.24574	0.0	0.0	0.0
	31.16482	18.78964	0.00000	0.82512	-0.24574	0.0	0.0	0.0
	30.87496	19.17533	0.00000	0.81820	-0.24574	0.0	0.0	0.0
	30.58511	19.56102	0.00000	0.80898	-0.24574	0.0	0.0	0.0
	30.29525	19.94671	0.00000	0.79758	-0.24574	0.0	0.0	0.0
	30.00540	20.33240	0.00000	0.78410	-0.24574	0.0	0.0	0.0
	29.71555	20.71809	0.00000	0.76871	-0.24574	0.0	0.0	0.0
	29.42569	21.10378	0.00000	0.75155	-0.24574	0.0	0.0	0.0
	29.13584	21.48947	0.00000	0.73282	-0.24574	0.0	0.0	0.0
	28.84598	21.87516	0.00000	0.71268	-0.24574	0.0	0.0	0.0
	28.55613	22.26085	0.00000	0.69135	-0.24574	0.0	0.0	0.0
	28.26627	22.64655	0.00000	0.66901	-0.24574	0.0	0.0	0.0
	27.97642	23.03224	0.00000	0.64586	-0.24574	0.0	0.0	0.0
	27.68656	23.41793	0.00000	0.62210	-0.24574	0.0	0.0	0.0
	27.39671	23.80362	0.00000	0.59791	-0.24574	0.0	0.0	0.0
	27.10686	24.18931	0.00000	0.57347	-0.24574	0.0	0.0	0.0
	26.81700	24.57500	0.00000	0.54894	-0.24574	0.0	0.0	0.0
B9	26.81720	24.57520	0.00000	0.54896	-0.24574	0.0	0.0	0.0
	26.47583	24.30917	0.00000	0.50973	-0.24574	0.0	0.0	0.0
	26.13447	24.04313	0.00000	0.47327	-0.24574	0.0	0.0	0.0
	25.79310	23.77710	0.00000	0.43939	-0.24574	0.0	0.0	0.0
	25.45173	23.51107	0.00000	0.40790	-0.24574	0.0	0.0	0.0
	25.11037	23.24503	0.00000	0.37863	-0.24574	0.0	0.0	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	24.76900	22.97900	0.00000	0.35141	-0.24574	0.0	0.0	0.0
B10	24.76850	22.97880	0.00000	0.35137	-0.24574	0.0	0.0	0.0
	25.02913	22.63010	0.00000	0.36339	-0.24574	0.0	0.0	0.0
	25.28975	22.28140	0.00000	0.37525	-0.24574	0.0	0.0	0.0
	25.55037	21.93270	0.00000	0.38688	-0.24574	0.0	0.0	0.0
	25.81100	21.58400	0.00000	0.39824	-0.24574	0.0	0.0	0.0
B11	25.81110	21.58440	0.00000	0.39826	-0.24574	0.0	0.0	0.0
	25.43288	21.29012	0.00000	0.36543	-0.24574	0.0	0.0	0.0
	25.05466	20.99584	0.00000	0.33530	-0.24574	0.0	0.0	0.0
	24.67644	20.70156	0.00000	0.30764	-0.24574	0.0	0.0	0.0
	24.29822	20.40728	0.00000	0.28224	-0.24574	0.0	0.0	0.0
	23.92000	20.11300	0.00000	0.25890	-0.24574	0.0	0.0	0.0
B12	23.91980	20.11290	0.00000	0.25889	-0.24574	0.0	0.0	0.0
	24.21040	19.73945	0.00000	0.26617	-0.24574	0.0	0.0	0.0
	24.50100	19.36600	0.00000	0.27317	-0.24574	0.0	0.0	0.0
B13	24.50090	19.36600	0.00000	0.27316	-0.24574	0.0	0.0	0.0
	24.13642	19.08633	0.00000	0.25111	-0.24574	0.0	0.0	0.0
	23.77193	18.80667	0.00000	0.23081	-0.24574	0.0	0.0	0.0
	23.40745	18.52700	0.00000	0.21211	-0.24574	0.0	0.0	0.0
	23.04297	18.24733	0.00000	0.19486	-0.24574	0.0	0.0	0.0
	22.67848	17.96767	0.00000	0.17896	-0.24574	0.0	0.0	0.0
	22.31400	17.68800	0.00000	0.16429	-0.24574	0.0	0.0	0.0
B14	22.31400	17.68840	0.00000	0.16430	-0.24574	0.0	0.0	0.0
	22.04420	18.04032	0.00000	0.16083	-0.24574	0.0	0.0	0.0
	21.77440	18.39224	0.00000	0.15720	-0.24574	0.0	0.0	0.0
	21.50460	18.74416	0.00000	0.15342	-0.24574	0.0	0.0	0.0
	21.23480	19.09608	0.00000	0.14952	-0.24574	0.0	0.0	0.0
	20.96500	19.44800	0.00000	0.14551	-0.24574	0.0	0.0	0.0
B15	20.96450	19.44760	0.00000	0.14549	-0.24574	0.0	0.0	0.0
	20.57167	19.15253	0.00000	0.13288	-0.24574	0.0	0.0	0.0
	20.17883	18.85747	0.00000	0.12126	-0.24574	0.0	0.0	0.0
	19.78600	18.56240	0.00000	0.11056	-0.24574	0.0	0.0	0.0
	19.39317	18.26733	0.00000	0.10070	-0.24574	0.0	0.0	0.0
	19.00033	17.97227	0.00000	0.091615	-0.24574	0.0	0.0	0.0
	18.60750	17.67720	0.00000	0.083242	-0.24574	0.0	0.0	0.0
	18.21467	17.38213	0.00000	0.075525	-0.24574	0.0	0.0	0.0
	17.82183	17.08707	0.00000	0.068412	-0.24574	0.0	0.0	0.0
	17.42900	16.79200	0.00000	0.061855	-0.24574	0.0	0.0	0.0
B16	17.42900	16.79160	0.00000	0.061853	-0.24574	0.0	0.0	0.0
	17.71689	16.39087	0.00000	0.063454	-0.24574	0.0	0.0	0.0
	18.00478	15.99013	0.00000	0.064978	-0.24574	0.0	0.0	0.0
	18.29267	15.58940	0.00000	0.066418	-0.24574	0.0	0.0	0.0
	18.58055	15.18867	0.00000	0.067767	-0.24574	0.0	0.0	0.0
	18.86844	14.78793	0.00000	0.069018	-0.24574	0.0	0.0	0.0
	19.15633	14.38720	0.00000	0.070166	-0.24574	0.0	0.0	0.0
	19.44422	13.98647	0.00000	0.071204	-0.24574	0.0	0.0	0.0
	19.73211	13.58573	0.00000	0.072127	-0.24574	0.0	0.0	0.0
	20.02000	13.18500	0.00000	0.072931	-0.24574	0.0	0.0	0.0
B17	20.01990	13.18500	0.00000	0.072930	-0.24574	0.0	0.0	0.0
	19.64193	12.87575	0.00000	0.065885	-0.24574	0.0	0.0	0.0
	19.26395	12.56650	0.00000	0.059408	-0.24574	0.0	0.0	0.0
	18.88597	12.25725	0.00000	0.053451	-0.24574	0.0	0.0	0.0
	18.50800	11.94800	0.00000	0.047973	-0.24574	0.0	0.0	0.0
B18	18.50750	11.94840	0.00000	0.047970	-0.24574	0.0	0.0	0.0
	18.77533	11.59927	0.00000	0.048511	-0.24574	0.0	0.0	0.0
	19.04317	11.25013	0.00000	0.048987	-0.24574	0.0	0.0	0.0
	19.31100	10.90100	0.00000	0.049395	-0.24574	0.0	0.0	0.0
B19	19.31120	10.90070	0.00000	0.049395	-0.24574	0.0	0.0	0.0
	18.93336	10.61616	0.00000	0.044353	-0.24574	0.0	0.0	0.0
	18.55552	10.33162	0.00000	0.039709	-0.24574	0.0	0.0	0.0
	18.17768	10.04708	0.00000	0.035429	-0.24574	0.0	0.0	0.0
	17.79984	9.76254	0.00000	0.031486	-0.24574	0.0	0.0	0.0
	17.42200	9.47800	0.00000	0.027853	-0.24574	0.0	0.0	0.0
B20	17.42210	9.47830	0.00000	0.027855	-0.24574	0.0	0.0	0.0
	17.70336	9.11282	0.00000	0.028080	-0.24574	0.0	0.0	0.0
	17.98463	8.74734	0.00000	0.028258	-0.24574	0.0	0.0	0.0
	18.26589	8.38186	0.00000	0.028387	-0.24574	0.0	0.0	0.0
	18.54716	8.01637	0.00000	0.028467	-0.24574	0.0	0.0	0.0
	18.82842	7.65089	0.00000	0.028498	-0.24574	0.0	0.0	0.0
	19.10968	7.28541	0.00000	0.028479	-0.24574	0.0	0.0	0.0
	19.39095	6.91993	0.00000	0.028412	-0.24574	0.0	0.0	0.0
	19.67221	6.55445	0.00000	0.028295	-0.24574	0.0	0.0	0.0
	19.95347	6.18896	0.00000	0.028130	-0.24574	0.0	0.0	0.0
	20.23474	5.82348	0.00000	0.027917	-0.24574	0.0	0.0	0.0
	20.51600	5.45800	0.00000	0.027657	-0.24574	0.0	0.0	0.0
C1	36.28630	29.95040	0.00000	4.8142	-0.24574	0.0	0.0	0.0
	36.00605	30.31047	0.00000	4.1668	-0.24574	0.0	0.0	0.0
	35.72579	30.67053	0.00000	3.6525	-0.24574	0.0	0.0	0.0
	35.44553	31.03060	0.00000	3.2311	-0.24574	0.0	0.0	0.0
	35.16528	31.39067	0.00000	2.8781	-0.24574	0.0	0.0	0.0
	34.88502	31.75073	0.00000	2.5774	-0.24574	0.0	0.0	0.0
	34.60477	32.11080	0.00000	2.3182	-0.24574	0.0	0.0	0.0
	34.32451	32.47087	0.00000	2.0924	-0.24574	0.0	0.0	0.0
	34.04425	32.83093	0.00000	1.8942	-0.24574	0.0	0.0	0.0
	33.76400	33.19100	0.00000	1.7191	-0.24574	0.0	0.0	0.0
C2	33.76390	33.19130	0.00000	1.7190	-0.24574	0.0	0.0	0.0
	33.36463	32.91083	0.00000	1.6422	-0.24574	0.0	0.0	0.0
	32.96536	32.63036	0.00000	1.5639	-0.24574	0.0	0.0	0.0
	32.56609	32.34988	0.00000	1.4848	-0.24574	0.0	0.0	0.0
	32.16681	32.06942	0.00000	1.4057	-0.24574	0.0	0.0	0.0
	31.76754	31.78894	0.00000	1.3273	-0.24574	0.0	0.0	0.0
	31.36827	31.50847	0.00000	1.2502	-0.24574	0.0	0.0	0.0
	30.96900	31.22800	0.00000	1.1750	-0.24574	0.0	0.0	0.0
C3	30.96920	31.22780	0.00000	1.1751	-0.24574	0.0	0.0	0.0
	30.68783	31.62833	0.00000	1.0808	-0.24574	0.0	0.0	0.0
	30.40647	32.02887	0.00000	0.99436	-0.24574	0.0	0.0	0.0
	30.12510	32.42940	0.00000	0.91507	-0.24574	0.0	0.0	0.0
	29.84373	32.82993	0.00000	0.84231	-0.24574	0.0	0.0	0.0
	29.56237	33.23046	0.00000	0.77548	-0.24574	0.0	0.0	0.0
	29.28100	33.63100	0.00000	0.71408	-0.24574	0.0	0.0	0.0
C4	29.28070	33.63110	0.00000	0.71404	-0.24574	0.0	0.0	0.0
	29.66816	33.92228	0.00000	0.74820	-0.24574	0.0	0.0	0.0
	30.05562	34.21346	0.00000	0.78240	-0.24574	0.0	0.0	0.0
	30.44308	34.50464	0.00000	0.81642	-0.24574	0.0	0.0	0.0
	30.83054	34.79582	0.00000	0.85004	-0.24574	0.0	0.0	0.0
	31.21800	35.08700	0.00000	0.88303	-0.24574	0.0	0.0	0.0
C5	31.21810	35.08720	0.00000	0.88302	-0.24574	0.0	0.0	0.0
	31.42408	35.45556	0.00000	0.88014	-0.24574	0.0	0.0	0.0
	31.63006	35.82392	0.00000	0.87551	-0.24574	0.0	0.0	0.0
	31.83604	36.19228	0.00000	0.86923	-0.24574	0.0	0.0	0.0
	32.04202	36.56064	0.00000	0.86137	-0.24574	0.0	0.0	0.0
	32.24800	36.92900	0.00000	0.85202	-0.24574	0.0	0.0	0.0
C6	32.24780	36.92890	0.00000	0.85200	-0.24574	0.0	0.0	0.0
	32.62166	37.20398	0.00000	0.87326	-0.24574	0.0	0.0	0.0
	32.99552	37.47907	0.00000	0.89313	-0.24574	0.0	0.0	0.0
	33.36938	37.75415	0.00000	0.91150	-0.24574	0.0	0.0	0.0
	33.74325	38.02924	0.00000	0.92824	-0.24574	0.0	0.0	0.0
	34.11711	38.30432	0.00000	0.94327	-0.24574	0.0	0.0	0.0
	34.49097	38.57941	0.00000	0.95649	-0.24574	0.0	0.0	0.0
	34.86483	38.85449	0.00000	0.96781	-0.24574	0.0	0.0	0.0
	35.23869	39.12958	0.00000	0.97719	-0.24574	0.0	0.0	0.0
	35.61255	39.40466	0.00000	0.98455	-0.24574	0.0	0.0	0.0
	35.98642	39.67974	0.00000	0.98986	-0.24574	0.0	0.0	0.0
	36.36028	39.95483	0.00000	0.99309	-0.24574	0.0	0.0	0.0
	36.73414	40.22992	0.00000	0.99422	-0.24574	0.0	0.0	0.0
	37.10800	40.50500	0.00000	0.99324	-0.24574	0.0	0.0	0.0
C7	37.10800	40.50550	0.00000	0.99316	-0.24574	0.0	0.0	0.0
	37.37100	40.14800	0.00000	1.0847	-0.24574	0.0	0.0	0.0
C8	37.37070	40.14850	0.00000	1.0846	-0.24574	0.0	0.0	0.0
	37.77113	40.44315	0.00000	1.0808	-0.24574	0.0	0.0	0.0
	38.17156	40.73780	0.00000	1.0744	-0.24574	0.0	0.0	0.0
	38.57199	41.03245	0.00000	1.0653	-0.24574	0.0	0.0	0.0
	38.97242	41.32710	0.00000	1.0537	-0.24574	0.0	0.0	0.0
	39.37285	41.62175	0.00000	1.0395	-0.24574	0.0	0.0	0.0
	39.77328	41.91640	0.00000	1.0229	-0.24574	0.0	0.0	0.0
	40.17371	42.21105	0.00000	1.0040	-0.24574	0.0	0.0	0.0
	40.57414	42.50570	0.00000	0.98291	-0.24574	0.0	0.0	0.0
	40.97457	42.80035	0.00000	0.95979	-0.24574	0.0	0.0	0.0
	41.37500	43.09500	0.00000	0.93480	-0.24574	0.0	0.0	0.0
C9	41.37530	43.09540	0.00000	0.93475	-0.24574	0.0	0.0	0.0
	41.63391	42.74383	0.00000	1.0169	-0.24574	0.0	0.0	0.0

Name	Location X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Stresses Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	41.89253	42.39227	0.00000	1.1072	-0.24574	0.0	0.0	0.0
	42.15115	42.04070	0.00000	1.2068	-0.24574	0.0	0.0	0.0
	42.40977	41.68913	0.00000	1.3168	-0.24574	0.0	0.0	0.0
	42.66838	41.33757	0.00000	1.4387	-0.24574	0.0	0.0	0.0
	42.92700	40.98600	0.00000	1.5741	-0.24574	0.0	0.0	0.0
C10	42.92740	40.98630	0.00000	1.5741	-0.24574	0.0	0.0	0.0
	42.59570	40.74215	0.00000	1.6154	-0.24574	0.0	0.0	0.0
	42.26400	40.49800	0.00000	1.6541	-0.24574	0.0	0.0	0.0
C11	42.26370	40.49780	0.00000	1.6541	-0.24574	0.0	0.0	0.0
	42.55653	40.09982	0.00000	1.8381	-0.24574	0.0	0.0	0.0
	42.84936	39.70184	0.00000	2.0478	-0.24574	0.0	0.0	0.0
	43.14219	39.30386	0.00000	2.2883	-0.24574	0.0	0.0	0.0
	43.43502	38.90588	0.00000	2.5662	-0.24574	0.0	0.0	0.0
	43.72785	38.50790	0.00000	2.8900	-0.24574	0.0	0.0	0.0
	44.02068	38.10992	0.00000	3.2715	-0.24574	0.0	0.0	0.0
	44.31351	37.71194	0.00000	3.7269	-0.24574	0.0	0.0	0.0
	44.60634	37.31396	0.00000	4.2800	-0.24574	0.0	0.0	0.0
	44.89917	36.91598	0.00000	4.9668	-0.24574	0.0	0.0	0.0
	45.19200	36.51800	0.00000	5.8472	-0.24574	0.0	0.0	0.0
C12	45.19230	36.51820	0.00000	5.8471	-0.24574	0.0	0.0	0.0
	44.80507	36.23263	0.00000	6.0139	-0.24574	0.0	0.0	0.0
	44.41784	35.94705	0.00000	6.1548	-0.24574	0.0	0.0	0.0
	44.03061	35.66148	0.00000	6.2725	-0.24574	0.0	0.0	0.0
	43.64338	35.37590	0.00000	6.3691	-0.24574	0.0	0.0	0.0
	43.25615	35.09033	0.00000	6.4463	-0.24574	0.0	0.0	0.0
	42.86892	34.80476	0.00000	6.5055	-0.24574	0.0	0.0	0.0
	42.48169	34.51918	0.00000	6.5478	-0.24574	0.0	0.0	0.0
	42.09446	34.23361	0.00000	6.5741	-0.24574	0.0	0.0	0.0
	41.70723	33.94804	0.00000	6.5848	-0.24574	0.0	0.0	0.0
	41.32000	33.66246	0.00000	6.5803	-0.24574	0.0	0.0	0.0
	40.93277	33.37689	0.00000	6.5606	-0.24574	0.0	0.0	0.0
	40.54554	33.09131	0.00000	6.5255	-0.24574	0.0	0.0	0.0
	40.15831	32.80574	0.00000	6.4748	-0.24574	0.0	0.0	0.0
	39.77107	32.52016	0.00000	6.4077	-0.24574	0.0	0.0	0.0
	39.38384	32.23459	0.00000	6.3235	-0.24574	0.0	0.0	0.0
	38.99661	31.94902	0.00000	6.2208	-0.24574	0.0	0.0	0.0
	38.60938	31.66344	0.00000	6.0981	-0.24574	0.0	0.0	0.0
	38.22215	31.37787	0.00000	5.9536	-0.24574	0.0	0.0	0.0
	37.83492	31.09230	0.00000	5.7849	-0.24574	0.0	0.0	0.0
	37.44769	30.80672	0.00000	5.5893	-0.24574	0.0	0.0	0.0
	37.06046	30.52115	0.00000	5.3640	-0.24574	0.0	0.0	0.0
	36.67323	30.23557	0.00000	5.1061	-0.24574	0.0	0.0	0.0
	36.28600	29.95000	0.00000	4.8141	-0.24574	0.0	0.0	0.0
D1	27.55940	34.85000	0.00000	0.47799	-0.24574	0.0	0.0	0.0
	27.27313	35.24078	0.00000	0.44097	-0.24574	0.0	0.0	0.0
	26.98687	35.63155	0.00000	0.40676	-0.24574	0.0	0.0	0.0
	26.70060	36.02234	0.00000	0.37516	-0.24574	0.0	0.0	0.0
	26.41433	36.41311	0.00000	0.34595	-0.24574	0.0	0.0	0.0
	26.12807	36.80389	0.00000	0.31894	-0.24574	0.0	0.0	0.0
	25.84180	37.19467	0.00000	0.29398	-0.24574	0.0	0.0	0.0
	25.55553	37.58545	0.00000	0.27088	-0.24574	0.0	0.0	0.0
	25.26927	37.97622	0.00000	0.24952	-0.24574	0.0	0.0	0.0
	24.98300	38.36700	0.00000	0.22976	-0.24574	0.0	0.0	0.0
D2	24.98330	38.36660	0.00000	0.22978	-0.24574	0.0	0.0	0.0
	24.58764	38.07677	0.00000	0.22087	-0.24574	0.0	0.0	0.0
	24.19197	37.78695	0.00000	0.21196	-0.24574	0.0	0.0	0.0
	23.79631	37.49712	0.00000	0.20309	-0.24574	0.0	0.0	0.0
	23.40065	37.20730	0.00000	0.19429	-0.24574	0.0	0.0	0.0
	23.00499	36.91748	0.00000	0.18558	-0.24574	0.0	0.0	0.0
	22.60933	36.62765	0.00000	0.17700	-0.24574	0.0	0.0	0.0
	22.21366	36.33783	0.00000	0.16857	-0.24574	0.0	0.0	0.0
	21.81800	36.04800	0.00000	0.16030	-0.24574	0.0	0.0	0.0
D3	21.81810	36.04790	0.00000	0.16030	-0.24574	0.0	0.0	0.0
	21.54309	36.43677	0.00000	0.14855	-0.24574	0.0	0.0	0.0
	21.26807	36.82564	0.00000	0.13755	-0.24574	0.0	0.0	0.0
	20.99306	37.21452	0.00000	0.12724	-0.24574	0.0	0.0	0.0
	20.71804	37.60339	0.00000	0.11760	-0.24574	0.0	0.0	0.0
	20.44303	37.99226	0.00000	0.10857	-0.24574	0.0	0.0	0.0
	20.16801	38.38113	0.00000	0.10013	-0.24574	0.0	0.0	0.0
	19.89300	38.77000	0.00000	0.092232	-0.24574	0.0	0.0	0.0
D4	19.89340	38.77020	0.00000	0.092237	-0.24574	0.0	0.0	0.0
	20.19624	39.05504	0.00000	0.096710	-0.24574	0.0	0.0	0.0
	20.67907	39.33989	0.00000	0.10124	-0.24574	0.0	0.0	0.0
	21.07191	39.62473	0.00000	0.10582	-0.24574	0.0	0.0	0.0
	21.46474	39.90957	0.00000	0.11043	-0.24574	0.0	0.0	0.0
	21.85758	40.19441	0.00000	0.11507	-0.24574	0.0	0.0	0.0
	22.25042	40.47926	0.00000	0.11971	-0.24574	0.0	0.0	0.0
	22.64326	40.76410	0.00000	0.12435	-0.24574	0.0	0.0	0.0
	23.03609	41.04894	0.00000	0.12897	-0.24574	0.0	0.0	0.0
	23.42893	41.33378	0.00000	0.13356	-0.24574	0.0	0.0	0.0
	23.82176	41.61863	0.00000	0.13809	-0.24574	0.0	0.0	0.0
	24.21460	41.90347	0.00000	0.14255	-0.24574	0.0	0.0	0.0
	24.60744	42.18831	0.00000	0.14692	-0.24574	0.0	0.0	0.0
	25.00027	42.47315	0.00000	0.15120	-0.24574	0.0	0.0	0.0
	25.39311	42.75800	0.00000	0.15534	-0.24574	0.0	0.0	0.0
	25.78595	43.04284	0.00000	0.15935	-0.24574	0.0	0.0	0.0
	26.17878	43.32768	0.00000	0.16320	-0.24574	0.0	0.0	0.0
	26.57162	43.61252	0.00000	0.16688	-0.24574	0.0	0.0	0.0
	26.96445	43.89736	0.00000	0.17037	-0.24574	0.0	0.0	0.0
	27.35729	44.18221	0.00000	0.17364	-0.24574	0.0	0.0	0.0
	27.75013	44.46705	0.00000	0.17670	-0.24574	0.0	0.0	0.0
	28.14296	44.75189	0.00000	0.17951	-0.24574	0.0	0.0	0.0
	28.53580	45.03673	0.00000	0.18207	-0.24574	0.0	0.0	0.0
	28.92864	45.32158	0.00000	0.18437	-0.24574	0.0	0.0	0.0
	29.32147	45.60642	0.00000	0.18639	-0.24574	0.0	0.0	0.0
	29.71431	45.89126	0.00000	0.18812	-0.24574	0.0	0.0	0.0
	30.10715	46.17610	0.00000	0.18956	-0.24574	0.0	0.0	0.0
	30.49998	46.46095	0.00000	0.19069	-0.24574	0.0	0.0	0.0
	30.89282	46.74579	0.00000	0.19152	-0.24574	0.0	0.0	0.0
	31.28565	47.03063	0.00000	0.19202	-0.24574	0.0	0.0	0.0
	31.67849	47.31547	0.00000	0.19222	-0.24574	0.0	0.0	0.0
	32.07133	47.60032	0.00000	0.19209	-0.24574	0.0	0.0	0.0
	32.46416	47.88516	0.00000	0.19165	-0.24574	0.0	0.0	0.0
	32.85700	48.17000	0.00000	0.19089	-0.24574	0.0	0.0	0.0
D5	32.85690	48.17000	0.00000	0.19089	-0.24574	0.0	0.0	0.0
	33.11963	47.81486	0.00000	0.20734	-0.24574	0.0	0.0	0.0
	33.38236	47.45971	0.00000	0.22516	-0.24574	0.0	0.0	0.0
	33.64508	47.10457	0.00000	0.24445	-0.24574	0.0	0.0	0.0
	33.90781	46.74943	0.00000	0.26537	-0.24574	0.0	0.0	0.0
	34.17054	46.39429	0.00000	0.28805	-0.24574	0.0	0.0	0.0
	34.43327	46.03914	0.00000	0.31266	-0.24574	0.0	0.0	0.0
	34.69600	45.68400	0.00000	0.33937	-0.24574	0.0	0.0	0.0
D6	34.69560	45.68390	0.00000	0.33936	-0.24574	0.0	0.0	0.0
	34.38474	45.45393	0.00000	0.34085	-0.24574	0.0	0.0	0.0
	34.07387	45.22397	0.00000	0.34195	-0.24574	0.0	0.0	0.0
	33.76300	44.99400	0.00000	0.34266	-0.24574	0.0	0.0	0.0
D7	33.76280	44.99400	0.00000	0.34265	-0.24574	0.0	0.0	0.0
	34.03352	44.62660	0.00000	0.37392	-0.24574	0.0	0.0	0.0
	34.30424	44.25920	0.00000	0.40614	-0.24574	0.0	0.0	0.0
	34.57496	43.89180	0.00000	0.44228	-0.24574	0.0	0.0	0.0
	34.84568	43.52440	0.00000	0.48175	-0.24574	0.0	0.0	0.0
	35.11640	43.15700	0.00000	0.52489	-0.24574	0.0	0.0	0.0
	35.38712	42.78960	0.00000	0.57210	-0.24574	0.0	0.0	0.0
	35.65784	42.42220	0.00000	0.62382	-0.24574	0.0	0.0	0.0
	35.92856	42.05480	0.00000	0.68053	-0.24574	0.0	0.0	0.0
	36.19928	41.68740	0.00000	0.74280	-0.24574	0.0	0.0	0.0
	36.47000	41.32000	0.00000	0.81126	-0.24574	0.0	0.0	0.0
D8	36.47000	41.32030	0.00000	0.81122	-0.24574	0.0	0.0	0.0
	36.08257	41.03898	0.00000	0.81141	-0.24574	0.0	0.0	0.0
	35.69513	40.75766	0.00000	0.80986	-0.24574	0.0	0.0	0.0
	35.30770	40.47635	0.00000	0.80657	-0.24574	0.0	0.0	0.0
	34.92026	40.19503	0.00000	0.80157	-0.24574	0.0	0.0	0.0
	34.53283	39.91371	0.00000	0.79490	-0.24574	0.0	0.0	0.0
	34.14539	39.63240	0.00000	0.78658	-0.24574	0.0	0.0	0.0
	33.75796	39.35108	0.00000	0.77668	-0.24574	0.0	0.0	0.0
	33.37052	39.06976	0.00000	0.76526	-0.24574	0.0	0.0	0.0
	32.98309	38.78844	0.00000	0.75240	-0.24574	0.0	0.0	0.0
	32.59565	38.50713	0.00000	0.73816	-0.24574	0.0	0.0	0.0
	32.20822	38.22581	0.00000	0.72265	-0.24574	0.0	0.0	0.0
	31.82078	37.94449	0.00000	0.70596	-0.24574	0.0	0.0	0.0
	31.43335	37.66317	0.00000	0.68820	-0.24574	0.0	0.0	0.0

Name	Location				Stresses			
	X [m]	Y [m]	Z[Level] [mOD]	Z [mm]	Calc Level [mOD]	Vert Stress [kN/m²]	Sum Princ [kN/m²]	Vert Strain [-]
	31.04591	37.38186	0.00000	0.66948	-0.24574	0.0	0.0	0.0
	30.65848	37.10054	0.00000	0.64993	-0.24574	0.0	0.0	0.0
	30.27104	36.81922	0.00000	0.62965	-0.24574	0.0	0.0	0.0
	29.88361	36.53790	0.00000	0.60879	-0.24574	0.0	0.0	0.0
	29.49617	36.25659	0.00000	0.58746	-0.24574	0.0	0.0	0.0
	29.10874	35.97527	0.00000	0.56578	-0.24574	0.0	0.0	0.0
	28.72130	35.69395	0.00000	0.54388	-0.24574	0.0	0.0	0.0
	28.33387	35.41264	0.00000	0.52187	-0.24574	0.0	0.0	0.0
	27.94643	35.13132	0.00000	0.49986	-0.24574	0.0	0.0	0.0
	27.55900	34.85000	0.00000	0.47796	-0.24574	0.0	0.0	0.0

Xdisp Input and Output

Model: Demolition

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Line	A1	-	29.57700	22.24700	0.00000	32.94000	24.93400	0.00000	9	-	-	Yes	Surface
Line	A2	-	32.94000	24.93400	0.00000	34.50900	22.97000	0.00000	6	-	-	Yes	Surface
Line	A3	-	34.50900	22.97000	0.00000	37.46400	25.33100	0.00000	8	-	-	Yes	Surface
Line	A4	-	37.46400	25.33100	0.00000	39.77100	22.18900	0.00000	8	-	-	Yes	Surface
Line	A5	-	39.77100	22.18900	0.00000	33.49800	17.24100	0.00000	16	-	-	Yes	Surface
Line	A6	-	33.49800	17.24100	0.00000	29.57700	22.24700	0.00000	13	-	-	Yes	Surface
Line	B1	-	20.51600	5.45800	0.00000	23.63600	7.79400	0.00000	8	-	-	Yes	Surface
Line	B2	-	23.63600	7.79400	0.00000	23.07200	8.52400	0.00000	2	-	-	Yes	Surface
Line	B3	-	23.07200	8.52400	0.00000	27.18000	11.64800	0.00000	11	-	-	Yes	Surface
Line	B4	-	27.18000	11.64800	0.00000	27.83500	10.78700	0.00000	3	-	-	Yes	Surface
Line	B5	-	27.83500	10.78700	0.00000	32.94300	14.58400	0.00000	13	-	-	Yes	Surface
Line	B6	-	32.94300	14.58400	0.00000	32.30500	15.44100	0.00000	3	-	-	Yes	Surface
Line	B7	-	32.30500	15.44100	0.00000	33.19400	16.09000	0.00000	3	-	-	Yes	Surface
Line	B8	-	33.19400	16.09000	0.00000	26.81700	24.57500	0.00000	22	-	-	Yes	Surface
Line	B9	-	26.81700	24.57500	0.00000	24.76900	22.97900	0.00000	6	-	-	Yes	Surface
Line	B10	-	24.76900	22.97900	0.00000	25.81100	21.58400	0.00000	4	-	-	Yes	Surface
Line	B11	-	25.81100	21.58400	0.00000	23.92000	20.11300	0.00000	5	-	-	Yes	Surface
Line	B12	-	23.92000	20.11300	0.00000	24.50100	19.36600	0.00000	2	-	-	Yes	Surface
Line	B13	-	24.50100	19.36600	0.00000	22.31400	17.68800	0.00000	6	-	-	Yes	Surface
Line	B14	-	22.31400	17.68800	0.00000	20.96500	19.44800	0.00000	5	-	-	Yes	Surface
Line	B15	-	20.96500	19.44800	0.00000	17.42900	16.79200	0.00000	9	-	-	Yes	Surface
Line	B16	-	17.42900	16.79200	0.00000	20.02000	13.18500	0.00000	9	-	-	Yes	Surface
Line	B17	-	20.02000	13.18500	0.00000	18.50800	11.94800	0.00000	4	-	-	Yes	Surface
Line	B18	-	18.50800	11.94800	0.00000	19.31100	10.90100	0.00000	3	-	-	Yes	Surface
Line	B19	-	19.31100	10.90100	0.00000	17.42200	9.47800	0.00000	5	-	-	Yes	Surface
Line	B20	-	17.42200	9.47800	0.00000	20.51600	5.45800	0.00000	11	-	-	Yes	Surface
Line	C1	-	36.28600	29.95000	0.00000	33.76400	33.19100	0.00000	9	-	-	Yes	Surface
Line	C2	-	33.76400	33.19100	0.00000	30.96900	31.22800	0.00000	7	-	-	Yes	Surface
Line	C3	-	30.96900	31.22800	0.00000	29.28100	33.63100	0.00000	6	-	-	Yes	Surface
Line	C4	-	29.28100	33.63100	0.00000	31.21800	35.08700	0.00000	5	-	-	Yes	Surface
Line	C5	-	31.21800	35.08700	0.00000	32.24800	36.92900	0.00000	5	-	-	Yes	Surface
Line	C6	-	32.24800	36.92900	0.00000	37.10800	40.50500	0.00000	13	-	-	Yes	Surface
Line	C7	-	37.10800	40.50500	0.00000	37.37100	40.14800	0.00000	1	-	-	Yes	Surface
Line	C8	-	37.37100	40.14800	0.00000	41.37500	43.09500	0.00000	10	-	-	Yes	Surface
Line	C9	-	41.37500	43.09500	0.00000	42.92700	40.98600	0.00000	6	-	-	Yes	Surface
Line	C10	-	42.92700	40.98600	0.00000	42.26400	40.49800	0.00000	2	-	-	Yes	Surface
Line	C11	-	42.26400	40.49800	0.00000	45.19200	36.51800	0.00000	10	-	-	Yes	Surface
Line	C12	-	45.19200	36.51800	0.00000	36.28600	29.95000	0.00000	23	-	-	Yes	Surface
Line	D1	-	27.55900	34.85000	0.00000	24.98300	38.36700	0.00000	9	-	-	Yes	Surface
Line	D2	-	24.98300	38.36700	0.00000	21.81800	36.04800	0.00000	8	-	-	Yes	Surface
Line	D3	-	21.81800	36.04800	0.00000	19.89300	38.77000	0.00000	7	-	-	Yes	Surface
Line	D4	-	19.89300	38.77000	0.00000	32.85700	48.17000	0.00000	33	-	-	Yes	Surface
Line	D5	-	32.85700	48.17000	0.00000	34.69600	45.68400	0.00000	7	-	-	Yes	Surface
Line	D6	-	34.69600	45.68400	0.00000	33.76300	44.99400	0.00000	3	-	-	Yes	Surface
Line	D7	-	33.76300	44.99400	0.00000	36.47000	41.32000	0.00000	10	-	-	Yes	Surface
Line	D8	-	36.47000	41.32000	0.00000	27.55900	34.85000	0.00000	23	-	-	Yes	Surface
Grid	Grid 1	Global X	0.00000	0.00000	0.00000	-	57.42000	0.00000	99	82.00000	99	No	Surface

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
A	A1	A1	0.00000	4.30400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A2	A2	0.00000	2.51300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A3	A3	0.00000	3.78200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A4	A4	0.00000	3.89800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A5	A5	0.00000	7.98900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A6	A6	0.00000	6.35800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B1	B1	0.00000	3.89700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B2	B2	0.00000	0.92200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B3	B3	0.00000	5.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B4	B4	0.00000	1.08100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B5	B5	0.00000	6.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B6	B6	0.00000	1.06800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B7	B7	0.00000	1.10000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B8	B8	0.00000	10.61400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B9	B9	0.00000	2.59600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B10	B10	0.00000	1.74100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B11	B11	0.00000	2.39500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B12	B12	0.00000	0.94600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B13	B13	0.00000	2.75600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B14	B14	0.00000	2.21700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B15	B15	0.00000	4.42200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B16	B16	0.00000	4.44100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B17	B17	0.00000	1.95300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B18	B18	0.00000	1.31900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B19	B19	0.00000	2.36500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B20	B20	0.00000	5.07200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C1	C1	0.00000	4.10600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C2	C2	0.00000	3.41500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C3	C3	0.00000	2.93600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C4	C4	0.00000	2.42300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C5	C5	0.00000	2.11000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C6	C6	0.00000	6.03300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C7	C7	0.00000	0.44300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C8	C8	0.00000	4.97100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C9	C9	0.00000	2.61800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C10	C10	0.00000	0.82300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C11	C11	0.00000	4.94100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C12	C12	0.00000	11.06500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D1	D1	0.00000	4.35900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D2	D2	0.00000	3.92300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D3	D3	0.00000	3.33300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D4	D4	0.00000	16.01300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D5	D5	0.00000	3.09200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D6	D6	0.00000	1.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D7	D7	0.00000	4.56300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D8	D8	0.00000	11.01200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height	Default Properties	Hogging			Sagging		
				2nd Moment of Area (per unit width)	Distance of Bending Strain from N.A.	Distance of N.A. from Edge of Beam in	2nd Moment of Area (per unit width)	Distance of Bending Strain from N.A.	Distance of N.A. from Edge of Beam in

						Tension				Tension
		[m]		[m³]	[m]	[m]	[m³]	[m]		[m]
A	A1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
A	A2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
A	A3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
A	A4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
A	A5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
A	A6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B13	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B14	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B15	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B16	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B17	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B18	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B19	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
B	B20	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
C	C12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000
D	D8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000		3.0000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Warnings

None

Errors

None

Displacement and Strain Results

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
A1	Line 1	29.57700	22.24700	0.00000	0.0	0.0	-0.11176	0.0	0.0	38.624 *
	0.47829	29.95067	22.54556	0.00000	0.0	0.0	-0.12976	0.0	0.0	38.624 *
	0.95658	30.32433	22.84411	0.00000	0.0	0.0	-0.15020	0.0	0.0	38.624 *
	1.4349	30.69800	23.14267	0.00000	0.0	0.0	-0.17349	0.0	0.0	38.624 *
	1.9132	31.07167	23.44122	0.00000	0.0	0.0	-0.20010	0.0	0.0	38.624 *
	2.3915	31.44533	23.73978	0.00000	0.0	0.0	-0.23065	0.0	0.0	38.624 *
	2.8697	31.81900	24.03833	0.00000	0.0	0.0	-0.26587	0.0	0.0	38.624 *
	3.3480	32.19267	24.33689	0.00000	0.0	0.0	-0.30670	0.0	0.0	38.624 *
	3.8263	32.56633	24.63544	0.00000	0.0	0.0	-0.35434	0.0	0.0	38.624 *
	4.3046	32.94000	24.93400	0.00000	0.0	0.0	-0.41032	0.0	0.0	38.624 *
A2	Line 2	32.94000	24.93400	0.00000	0.0	0.0	-0.41032	0.0	0.0	308.62 *
	0.41896	33.20150	24.60667	0.00000	0.0	0.0	-0.43014	0.0	0.0	308.62 *
	0.83792	33.46300	24.27933	0.00000	0.0	0.0	-0.44852	0.0	0.0	308.62 *
	1.2569	33.72450	23.95200	0.00000	0.0	0.0	-0.46513	0.0	0.0	308.62 *
	1.6758	33.98600	23.62467	0.00000	0.0	0.0	-0.47964	0.0	0.0	308.62 *
	2.0948	34.24750	23.29733	0.00000	0.0	0.0	-0.49183	0.0	0.0	308.62 *
	2.5138	34.50900	22.97000	0.00000	0.0	0.0	-0.50147	0.0	0.0	308.62 *
A3	Line 3	34.50900	22.97000	0.00000	0.0	0.0	-0.50147	0.0	0.0	38.624 *
	0.47280	34.87837	23.26512	0.00000	0.0	0.0	-0.58934	0.0	0.0	38.624 *
	0.94559	35.24775	23.56025	0.00000	0.0	0.0	-0.69691	0.0	0.0	38.624 *
	1.4184	35.61713	23.85537	0.00000	0.0	0.0	-0.83073	0.0	0.0	38.624 *
	1.8912	35.98650	24.15050	0.00000	0.0	0.0	-1.0004	0.0	0.0	38.624 *
	2.3640	36.35587	24.44563	0.00000	0.0	0.0	-1.2207	0.0	0.0	38.624 *
	2.8368	36.72525	24.74075	0.00000	0.0	0.0	-1.5165	0.0	0.0	38.624 *
	3.3096	37.09463	25.03588	0.00000	0.0	0.0	-1.9328	0.0	0.0	38.624 *
	3.7824	37.46400	25.33100	0.00000	0.0	0.0	-2.5649	0.0	0.0	38.624 *
A4	Line 4	37.46400	25.33100	0.00000	0.0	0.0	-2.5649	0.0	0.0	306.29 *
	0.48725	37.75238	24.93825	0.00000	0.0	0.0	-2.5901	0.0	0.0	306.29 *
	0.97450	38.04075	24.54550	0.00000	0.0	0.0	-2.5938	0.0	0.0	306.29 *
	1.4618	38.32912	24.15275	0.00000	0.0	0.0	-2.5762	0.0	0.0	306.29 *
	1.9490	38.61750	23.76000	0.00000	0.0	0.0	-2.5369	0.0	0.0	306.29 *
	2.4363	38.90588	23.36725	0.00000	0.0	0.0	-2.4744	0.0	0.0	306.29 *
	2.9235	39.19425	22.97450	0.00000	0.0	0.0	-2.3853	0.0	0.0	306.29 *
	3.4108	39.48262	22.58175	0.00000	0.0	0.0	-2.2644	0.0	0.0	306.29 *
	3.8980	39.77100	22.18900	0.00000	0.0	0.0	-2.1043	0.0	0.0	306.29 *
A5	Line 5	39.77100	22.18900	0.00000	0.0	0.0	-2.1043	0.0	0.0	218.27 *
	0.49935	39.37894	21.87975	0.00000	0.0	0.0	-1.5639	0.0	0.0	218.27 *
	0.99870	38.98687	21.57050	0.00000	0.0	0.0	-1.2215	0.0	0.0	218.27 *
	1.4980	38.59481	21.26125	0.00000	0.0	0.0	-0.98290	0.0	0.0	218.27 *
	1.9974	38.20275	20.95200	0.00000	0.0	0.0	-0.80657	0.0	0.0	218.27 *
	2.4967	37.81069	20.64275	0.00000	0.0	0.0	-0.67099	0.0	0.0	218.27 *
	2.9961	37.41862	20.33350	0.00000	0.0	0.0	-0.56376	0.0	0.0	218.27 *
	3.4954	37.02656	20.02425	0.00000	0.0	0.0	-0.47716	0.0	0.0	218.27 *
	3.9948	36.63450	19.71500	0.00000	0.0	0.0	-0.40608	0.0	0.0	218.27 *
	4.4941	36.24244	19.40575	0.00000	0.0	0.0	-0.34697	0.0	0.0	218.27 *
	4.9935	35.85038	19.09650	0.00000	0.0	0.0	-0.29732	0.0	0.0	218.27 *
	5.4928	35.45831	18.78725	0.00000	0.0	0.0	-0.25522	0.0	0.0	218.27 *
	5.9922	35.06625	18.47800	0.00000	0.0	0.0	-0.21929	0.0	0.0	218.27 *
	6.4915	34.67419	18.16875	0.00000	0.0	0.0	-0.18841	0.0	0.0	218.27 *
	6.9909	34.28213	17.85950	0.00000	0.0	0.0	-0.16174	0.0	0.0	218.27 *
	7.4902	33.89006	17.55025	0.00000	0.0	0.0	-0.13860	0.0	0.0	218.27 *

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis	
	7.9896	33.49800	17.24100	0.00000	0.0	0.0	-0.11844	0.0	0.0	218.27	*
A6	Line 6	33.49800	17.24100	0.00000	0.0	0.0	-0.11844	0.0	0.0	128.07	*
	0.48914	33.19638	17.62608	0.00000	0.0	0.0	-0.12193	0.0	0.0	128.07	*
	0.97828	32.89477	18.01115	0.00000	0.0	0.0	-0.12481	0.0	0.0	128.07	*
	1.4674	32.59315	18.39623	0.00000	0.0	0.0	-0.12706	0.0	0.0	128.07	*
	1.9566	32.29154	18.78131	0.00000	0.0	0.0	-0.12862	0.0	0.0	128.07	*
	2.4457	31.98992	19.16638	0.00000	0.0	0.0	-0.12948	0.0	0.0	128.07	*
	2.9348	31.68831	19.55146	0.00000	0.0	0.0	-0.12962	0.0	0.0	128.07	*
	3.4240	31.38669	19.93654	0.00000	0.0	0.0	-0.12904	0.0	0.0	128.07	*
	3.9131	31.08508	20.32162	0.00000	0.0	0.0	-0.12774	0.0	0.0	128.07	*
	4.4022	30.78346	20.70669	0.00000	0.0	0.0	-0.12576	0.0	0.0	128.07	*
	4.8914	30.48185	21.09177	0.00000	0.0	0.0	-0.12312	0.0	0.0	128.07	*
	5.3805	30.18023	21.47685	0.00000	0.0	0.0	-0.11987	0.0	0.0	128.07	*
	5.8697	29.87862	21.86192	0.00000	0.0	0.0	-0.11606	0.0	0.0	128.07	*
	6.3588	29.57700	22.24700	0.00000	0.0	0.0	-0.11176	0.0	0.0	128.07	*
B1	Line 7	20.51600	5.45800	0.00000	0.0	0.0	0.026413	0.0	0.0	36.823	*
	0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.026468	0.0	0.0	36.823	*
	0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.026482	0.0	0.0	36.823	*
	1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.026449	0.0	0.0	36.823	*
	1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.026364	0.0	0.0	36.823	*
	2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.026222	0.0	0.0	36.823	*
	2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.026015	0.0	0.0	36.823	*
	3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.025737	0.0	0.0	36.823	*
	3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.025379	0.0	0.0	36.823	*
B2	Line 8	23.63600	7.79400	0.00000	0.0	0.0	0.025379	0.0	0.0	127.69	*
	0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.025318	0.0	0.0	127.69	*
	0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.025262	0.0	0.0	127.69	*
B3	Line 9	23.07200	8.52400	0.00000	0.0	0.0	0.025262	0.0	0.0	37.252	*
	0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.024807	0.0	0.0	37.252	*
	0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.024258	0.0	0.0	37.252	*
	1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.023605	0.0	0.0	37.252	*
	1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.022838	0.0	0.0	37.252	*
	2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.021943	0.0	0.0	37.252	*
	2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.020909	0.0	0.0	37.252	*
	3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.019720	0.0	0.0	37.252	*
	3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.018361	0.0	0.0	37.252	*
	4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.016812	0.0	0.0	37.252	*
	4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.015055	0.0	0.0	37.252	*
	5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.013066	0.0	0.0	37.252	*
B4	Line 10	27.18000	11.64800	0.00000	0.0	0.0	0.013066	0.0	0.0	307.26	*
	0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.013346	0.0	0.0	307.26	*
	0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.013648	0.0	0.0	307.26	*
	1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.013969	0.0	0.0	307.26	*
B5	Line 11	27.83500	10.78700	0.00000	0.0	0.0	0.013969	0.0	0.0	36.625	*
	0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.011770	0.0	0.0	36.625	*
	0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0092819	0.0	0.0	36.625	*
	1.4688	29.01377	11.66323	0.00000	0.0	0.0	0.0064750	0.0	0.0	36.625	*
	1.9584	29.40669	11.95531	0.00000	0.0	0.0	0.0033136	0.0	0.0	36.625	*
	2.4479	29.79962	12.24738	0.00000	0.0	0.0	-242.05E-6	0.0	0.0	36.625	*
	2.9375	30.19254	12.53946	0.00000	0.0	0.0	-0.0042365	0.0	0.0	36.625	*
	3.4271	30.58546	12.83154	0.00000	0.0	0.0	-0.0087198	0.0	0.0	36.625	*
	3.9167	30.97838	13.12362	0.00000	0.0	0.0	-0.013749	0.0	0.0	36.625	*
	4.4063	31.37131	13.41569	0.00000	0.0	0.0	-0.019387	0.0	0.0	36.625	*
	4.8959	31.76423	13.70777	0.00000	0.0	0.0	-0.025708	0.0	0.0	36.625	*
	5.3855	32.15715	13.99985	0.00000	0.0	0.0	-0.032794	0.0	0.0	36.625	*
	5.8751	32.55008	14.29192	0.00000	0.0	0.0	-0.040739	0.0	0.0	36.625	*
	6.3647	32.94300	14.58400	0.00000	0.0	0.0	-0.049651	0.0	0.0	36.625	*
B6	Line 12	32.94300	14.58400	0.00000	0.0	0.0	-0.049651	0.0	0.0	126.67	*
	0.35614	32.73033	14.86967	0.00000	0.0	0.0	-0.051783	0.0	0.0	126.67	*
	0.71227	32.51767	15.15533	0.00000	0.0	0.0	-0.053823	0.0	0.0	126.67	*
	1.0684	32.30500	15.44100	0.00000	0.0	0.0	-0.055753	0.0	0.0	126.67	*
B7	Line 13	32.30500	15.44100	0.00000	0.0	0.0	-0.055753	0.0	0.0	36.131	*
	0.36690	32.60133	15.65733	0.00000	0.0	0.0	-0.063848	0.0	0.0	36.131	*
	0.73379	32.89767	15.87367	0.00000	0.0	0.0	-0.072699	0.0	0.0	36.131	*
	1.1007	33.19400	16.09000	0.00000	0.0	0.0	-0.082391	0.0	0.0	36.131	*
B8	Line 14	33.19400	16.09000	0.00000	0.0	0.0	-0.082391	0.0	0.0	126.93	*
	0.48246	32.90414	16.47568	0.00000	0.0	0.0	-0.085736	0.0	0.0	126.93	*
	0.96493	32.61427	16.86136	0.00000	0.0	0.0	-0.088736	0.0	0.0	126.93	*
	1.4474	32.32441	17.24705	0.00000	0.0	0.0	-0.091340	0.0	0.0	126.93	*
	1.9299	32.03455	17.63273	0.00000	0.0	0.0	-0.093512	0.0	0.0	126.93	*
	2.4123	31.74468	18.01841	0.00000	0.0	0.0	-0.095220	0.0	0.0	126.93	*
	2.8948	31.45482	18.40409	0.00000	0.0	0.0	-0.096438	0.0	0.0	126.93	*
	3.3772	31.16495	18.78977	0.00000	0.0	0.0	-0.097149	0.0	0.0	126.93	*
	3.8597	30.87509	19.17545	0.00000	0.0	0.0	-0.097341	0.0	0.0	126.93	*
	4.3422	30.58523	19.56114	0.00000	0.0	0.0	-0.097011	0.0	0.0	126.93	*
	4.8246	30.29536	19.94682	0.00000	0.0	0.0	-0.096164	0.0	0.0	126.93	*
	5.3071	30.00550	20.33250	0.00000	0.0	0.0	-0.094814	0.0	0.0	126.93	*
	5.7896	29.71564	20.71818	0.00000	0.0	0.0	-0.092980	0.0	0.0	126.93	*
	6.2720	29.42577	21.10386	0.00000	0.0	0.0	-0.090690	0.0	0.0	126.93	*
	6.7545	29.13591	21.48955	0.00000	0.0	0.0	-0.087977	0.0	0.0	126.93	*
	7.2370	28.84605	21.87523	0.00000	0.0	0.0	-0.084880	0.0	0.0	126.93	*
	7.7194	28.55618	22.26091	0.00000	0.0	0.0	-0.081440	0.0	0.0	126.93	*
	8.2019	28.26632	22.64659	0.00000	0.0	0.0	-0.077704	0.0	0.0	126.93	*
	8.6843	27.97645	23.03227	0.00000	0.0	0.0	-0.073719	0.0	0.0	126.93	*
	9.1668	27.68659	23.41795	0.00000	0.0	0.0	-0.069532	0.0	0.0	126.93	*
	9.6493	27.39673	23.80364	0.00000	0.0	0.0	-0.065190	0.0	0.0	126.93	*
	10.132	27.10686	24.18932	0.00000	0.0	0.0	-0.060740	0.0	0.0	126.93	*
	10.614	26.81700	24.57500	0.00000	0.0	0.0	-0.056224	0.0	0.0	126.93	*
B9	Line 15	26.81700	24.57500	0.00000	0.0	0.0	-0.056224	0.0	0.0	217.93	*
	0.43274	26.47567	24.30900	0.00000	0.0	0.0	-0.048115	0.0	0.0	217.93	*
	0.86548	26.13433	24.04300	0.00000	0.0	0.0	-0.040725	0.0	0.0	217.93	*
	1.2982	25.79300	23.77700	0.00000	0.0	0.0	-0.033993	0.0	0.0	217.93	*
	1.7310	25.45167	23.51100	0.00000	0.0	0.0	-0.027863	0.0	0.0	217.93	*
	2.1637	25.11033	23.24500	0.00000	0.0	0.0	-0.022283	0.0	0.0	217.93	*
	2.5964	24.76900	22.97900	0.00000	0.0	0.0	-0.017204	0.0	0.0	217.93	*
B10	Line 16	24.76900	22.97900	0.00000	0.0	0.0	-0.017204	0.0	0.0	306.76	*
	0.43530	25.02950	22.63025	0.00000	0.0	0.0	-0.019127	0.0	0.0	306.76	*
	0.87060	25.29000	22.28150	0.00000	0.0	0.0	-0.021012	0.0	0.0	306.76	*
	1.3059	25.55050	21.93275	0.00000	0.0	0.0	-0.022837	0.0	0.0	306.76	*
	1.7412	25.81100	21.58400	0.00000	0.0	0.0	-0.024589	0.0	0.0	306.76	*
B11	Line 17	25.81100	21.58400	0.00000	0.0	0.0	-0.024589	0.0	0.0	217.88	*
	0.47915	25.43280	21.28980	0.00000	0.0	0.0	-0.018554	0.0	0.0	217.88	*
	0.95831	25.05460	20.99560	0.00000	0.0	0.0	-0.013149	0.0	0.0	217.88	*
	1.4375	24.67640	20.70140	0.00000	0.0	0.0	-0.0083121	0.0	0.0	217.88	*
	1.9166	24.29820	20.40720	0.00000	0.0	0.0	-0.0039852	0.0	0.0	217.88	*
	2.3958	23.92000	20.11300	0.00000	0.0	0.0	-117.37E-6	0.0	0.0	217.88	*
B12	Line 18	23.92000	20.11300	0.00000	0.0	0.0	-117.37E-6	0.0	0.0	307.87	*
	0.47317	24.21050	19.73950	0.00000	0.0	0.0	-0.0010863	0.0	0.0	307.87	*
	0.94635	24.50100	19.36600	0.00000	0.0	0.0	-0.0019970	0.0	0.0	307.87	*
B13	Line 19	24.50100	19.36600	0.00000	0.0	0.0	-0.0019970	0.0	0.0	217.50	*
	0.45943	24.13650	19.08633	0.00000	0.0	0.0	0.0015609	0.0	0.0	217.50	*
	0.91886	23.77200	18.80667	0.00000	0.0	0.0	0.0047445	0.0	0.0	217.50	*
	1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0075908	0.0	0.0	217.50	*
	1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.010132	0.0	0.0	217.50	*
	2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.012397	0.0	0.0	217.50	*
	2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.014412	0.0	0.0	217.50	*
B14	Line 20	22.31400	17.68800	0.00000	0.0	0.0	0.014412	0.0	0.0	127.47	*
	0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.014779	0.0	0.0	127.47	*
	0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.015172	0.0	0.0	127.47	*
	1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.015588	0.0	0.0	127.47	*
	1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.016023	0.0	0.0	127.47	*
	2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.016475	0.0	0.0	127.47	*
B15	Line 21	20.96500	19.44800	0.00000	0.0	0.0	0.016475	0.0	0.0	216.91	*
	0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.018100	0.0	0.0	216.91	*
	0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.019524	0.0	0.0	216.91	*
	1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.020766	0.0	0.0	216.91	*
	1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.021845	0.0	0.0	216.91	*
	2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.022777	0.0	0.0	216.91	*
	2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.023574	0.0	0.0	216.91	*
	3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.024250	0.0	0.0	216.91	*
	3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.024817	0.0	0.0	216.91	*
	4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.025284	0.0	0.0	216.91	*
B16	Line 22	17.42900	16.79200	0.00000	0.0	0.0	0.025284	0.0	0.0	305.69	*
	0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.025192	0.0	0.0	305.69	*
	0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.025104	0.0	0.0	305.69	*
	1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.025022	0.0	0.0	305.69	*
	1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.024946	0.0	0.0	305.69	*
	2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.024878	0.0	0.0	305.69	*
	2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.024818	0.0	0.0	305.69	*
	3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.024767	0.0	0.0	305.69	*
	3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.024726	0.0	0.0	305.69	*

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis	
	4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.024694	0.0	0.0	305.69	*
B17	Line 23	20.02000	13.18500	0.00000	0.0	0.0	0.024694	0.0	0.0	219.29	*
	0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.025187	0.0	0.0	219.29	*
	0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.025585	0.0	0.0	219.29	*
	1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.025899	0.0	0.0	219.29	*
	1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.026136	0.0	0.0	219.29	*
B18	Line 24	18.50800	11.94800	0.00000	0.0	0.0	0.026136	0.0	0.0	307.49	*
	0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.026124	0.0	0.0	307.49	*
	0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.026115	0.0	0.0	307.49	*
	1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.026108	0.0	0.0	307.49	*
B19	Line 25	19.31100	10.90100	0.00000	0.0	0.0	0.026108	0.0	0.0	216.99	*
	0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.026282	0.0	0.0	216.99	*
	0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.026396	0.0	0.0	216.99	*
	1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.026457	0.0	0.0	216.99	*
	1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.026469	0.0	0.0	216.99	*
	2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.026439	0.0	0.0	216.99	*
B20	Line 26	17.42200	9.47800	0.00000	0.0	0.0	0.026439	0.0	0.0	307.58	*
	0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.026440	0.0	0.0	307.58	*
	0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.026440	0.0	0.0	307.58	*
	1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.026440	0.0	0.0	307.58	*
	1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.026439	0.0	0.0	307.58	*
	2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.026438	0.0	0.0	307.58	*
	2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.026436	0.0	0.0	307.58	*
	3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.026433	0.0	0.0	307.58	*
	3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.026430	0.0	0.0	307.58	*
	4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.026425	0.0	0.0	307.58	*
	4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.026419	0.0	0.0	307.58	*
	5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.026413	0.0	0.0	307.58	*
C1	Line 27	36.28600	29.95000	0.00000	0.0	0.0	-1.4369	0.0	0.0	127.89	*
	0.45629	36.00578	30.31011	0.00000	0.0	0.0	-1.1730	0.0	0.0	127.89	*
	0.91259	35.72556	30.67022	0.00000	0.0	0.0	-0.97764	0.0	0.0	127.89	*
	1.3689	35.44533	31.03033	0.00000	0.0	0.0	-0.82669	0.0	0.0	127.89	*
	1.8252	35.16511	31.39044	0.00000	0.0	0.0	-0.70645	0.0	0.0	127.89	*
	2.2815	34.88489	31.75056	0.00000	0.0	0.0	-0.60847	0.0	0.0	127.89	*
	2.7378	34.60467	32.11067	0.00000	0.0	0.0	-0.52722	0.0	0.0	127.89	*
	3.1941	34.32444	32.47078	0.00000	0.0	0.0	-0.45892	0.0	0.0	127.89	*
	3.6504	34.04422	32.83089	0.00000	0.0	0.0	-0.40084	0.0	0.0	127.89	*
	4.1066	33.76400	33.19100	0.00000	0.0	0.0	-0.35102	0.0	0.0	127.89	*
C2	Line 28	33.76400	33.19100	0.00000	0.0	0.0	-0.35102	0.0	0.0	215.08	*
	0.48792	33.36471	32.91057	0.00000	0.0	0.0	-0.33089	0.0	0.0	215.08	*
	0.97585	32.96543	32.63014	0.00000	0.0	0.0	-0.31029	0.0	0.0	215.08	*
	1.4638	32.56614	32.34971	0.00000	0.0	0.0	-0.28945	0.0	0.0	215.08	*
	1.9517	32.16686	32.06929	0.00000	0.0	0.0	-0.26865	0.0	0.0	215.08	*
	2.4396	31.76757	31.78886	0.00000	0.0	0.0	-0.24813	0.0	0.0	215.08	*
	2.9275	31.36829	31.50843	0.00000	0.0	0.0	-0.22811	0.0	0.0	215.08	*
	3.4155	30.96900	31.22800	0.00000	0.0	0.0	-0.20875	0.0	0.0	215.08	*
C3	Line 29	30.96900	31.22800	0.00000	0.0	0.0	-0.20875	0.0	0.0	125.09	*
	0.48944	30.68767	31.62850	0.00000	0.0	0.0	-0.18496	0.0	0.0	125.09	*
	0.97887	30.40633	32.02900	0.00000	0.0	0.0	-0.16354	0.0	0.0	125.09	*
	1.4683	30.12500	32.42950	0.00000	0.0	0.0	-0.14425	0.0	0.0	125.09	*
	1.9577	29.84367	32.83000	0.00000	0.0	0.0	-0.12686	0.0	0.0	125.09	*
	2.4472	29.56233	33.23050	0.00000	0.0	0.0	-0.11117	0.0	0.0	125.09	*
	2.9366	29.28100	33.63100	0.00000	0.0	0.0	-0.097018	0.0	0.0	125.09	*
C4	Line 30	29.28100	33.63100	0.00000	0.0	0.0	-0.097018	0.0	0.0	36.931	*
	0.48464	29.66840	33.92220	0.00000	0.0	0.0	-0.10466	0.0	0.0	36.931	*
	0.96928	30.05580	34.21340	0.00000	0.0	0.0	-0.11234	0.0	0.0	36.931	*
	1.4539	30.44320	34.50460	0.00000	0.0	0.0	-0.11999	0.0	0.0	36.931	*
	1.9386	30.83060	34.79580	0.00000	0.0	0.0	-0.12752	0.0	0.0	36.931	*
	2.4232	31.21800	35.08700	0.00000	0.0	0.0	-0.13489	0.0	0.0	36.931	*
C5	Line 31	31.21800	35.08700	0.00000	0.0	0.0	-0.13489	0.0	0.0	60.787	*
	0.42208	31.42400	35.45540	0.00000	0.0	0.0	-0.13377	0.0	0.0	60.787	*
	0.84417	31.63000	35.82380	0.00000	0.0	0.0	-0.13220	0.0	0.0	60.787	*
	1.2663	31.83600	36.19220	0.00000	0.0	0.0	-0.13022	0.0	0.0	60.787	*
	1.6883	32.04200	36.56060	0.00000	0.0	0.0	-0.12784	0.0	0.0	60.787	*
	2.1104	32.24800	36.92900	0.00000	0.0	0.0	-0.12509	0.0	0.0	60.787	*
C6	Line 32	32.24800	36.92900	0.00000	0.0	0.0	-0.12509	0.0	0.0	36.346	*
	0.46414	32.62185	37.20408	0.00000	0.0	0.0	-0.12931	0.0	0.0	36.346	*
	0.92829	32.99569	37.47915	0.00000	0.0	0.0	-0.13315	0.0	0.0	36.346	*
	1.3924	33.36954	37.75423	0.00000	0.0	0.0	-0.13656	0.0	0.0	36.346	*
	1.8566	33.74338	38.02931	0.00000	0.0	0.0	-0.13951	0.0	0.0	36.346	*
	2.3207	34.11723	38.30438	0.00000	0.0	0.0	-0.14197	0.0	0.0	36.346	*
	2.7849	34.49108	38.57946	0.00000	0.0	0.0	-0.14393	0.0	0.0	36.346	*
	3.2490	34.86492	38.85454	0.00000	0.0	0.0	-0.14536	0.0	0.0	36.346	*
	3.7131	35.23877	39.12962	0.00000	0.0	0.0	-0.14625	0.0	0.0	36.346	*
	4.1773	35.61262	39.40469	0.00000	0.0	0.0	-0.14659	0.0	0.0	36.346	*
	4.6414	35.98646	39.67977	0.00000	0.0	0.0	-0.14638	0.0	0.0	36.346	*
	5.1056	36.36031	39.95485	0.00000	0.0	0.0	-0.14562	0.0	0.0	36.346	*
	5.5697	36.73415	40.22992	0.00000	0.0	0.0	-0.14432	0.0	0.0	36.346	*
	6.0339	37.10800	40.50500	0.00000	0.0	0.0	-0.14248	0.0	0.0	36.346	*
C7	Line 33	37.10800	40.50500	0.00000	0.0	0.0	-0.14248	0.0	0.0	306.38	*
	0.44342	37.37100	40.14800	0.00000	0.0	0.0	-0.16265	0.0	0.0	306.38	*
C8	Line 34	37.37100	40.14800	0.00000	0.0	0.0	-0.16265	0.0	0.0	36.354	*
	0.49716	37.77140	40.42270	0.00000	0.0	0.0	-0.15972	0.0	0.0	36.354	*
	0.99432	38.17180	40.73740	0.00000	0.0	0.0	-0.15617	0.0	0.0	36.354	*
	1.4915	38.57220	41.03210	0.00000	0.0	0.0	-0.15201	0.0	0.0	36.354	*
	1.9886	38.97260	41.32680	0.00000	0.0	0.0	-0.14729	0.0	0.0	36.354	*
	2.4858	39.37300	41.62150	0.00000	0.0	0.0	-0.14204	0.0	0.0	36.354	*
	2.9830	39.77340	41.91620	0.00000	0.0	0.0	-0.13634	0.0	0.0	36.354	*
	3.4801	40.17380	42.21090	0.00000	0.0	0.0	-0.13024	0.0	0.0	36.354	*
	3.9773	40.57420	42.50560	0.00000	0.0	0.0	-0.12381	0.0	0.0	36.354	*
	4.4744	40.97460	42.80030	0.00000	0.0	0.0	-0.11710	0.0	0.0	36.354	*
	4.9716	41.37500	43.09500	0.00000	0.0	0.0	-0.11020	0.0	0.0	36.354	*
C9	Line 35	41.37500	43.09500	0.00000	0.0	0.0	-0.11020	0.0	0.0	306.35	*
	0.43642	41.63367	42.74350	0.00000	0.0	0.0	-0.12511	0.0	0.0	306.35	*
	0.87284	41.89233	42.39200	0.00000	0.0	0.0	-0.14167	0.0	0.0	306.35	*
	1.3093	42.15100	42.04050	0.00000	0.0	0.0	-0.16006	0.0	0.0	306.35	*
	1.7457	42.40967	41.68900	0.00000	0.0	0.0	-0.18054	0.0	0.0	306.35	*
	2.1821	42.66833	41.33750	0.00000	0.0	0.0	-0.20340	0.0	0.0	306.35	*
	2.6185	42.92700	40.98600	0.00000	0.0	0.0	-0.22898	0.0	0.0	306.35	*
C10	Line 36	42.92700	40.98600	0.00000	0.0	0.0	-0.22898	0.0	0.0	216.35	*
	0.41162	42.59550	40.74200	0.00000	0.0	0.0	-0.24188	0.0	0.0	216.35	*
	0.82323	42.26400	40.49800	0.00000	0.0	0.0	-0.25461	0.0	0.0	216.35	*
C11	Line 37	42.26400	40.49800	0.00000	0.0	0.0	-0.25461	0.0	0.0	306.34	*
	0.49410	42.55680	40.10000	0.00000	0.0	0.0	-0.29207	0.0	0.0	306.34	*
	0.98820	42.84960	39.70200	0.00000	0.0	0.0	-0.33536	0.0	0.0	306.34	*
	1.4823	43.14240	39.30400	0.00000	0.0	0.0	-0.38575	0.0	0.0	306.34	*
	1.9764	43.43520	38.90600	0.00000	0.0	0.0	-0.44490	0.0	0.0	306.34	*
	2.4705	43.72800	38.50800	0.00000	0.0	0.0	-0.51507	0.0	0.0	306.34	*
	2.9646	44.02080	38.11000	0.00000	0.0	0.0	-0.59938	0.0	0.0	306.34	*
	3.4587	44.31360	37.71200	0.00000	0.0	0.0	-0.70242	0.0	0.0	306.34	*
	3.9528	44.60640	37.31400	0.00000	0.0	0.0	-0.83113	0.0	0.0	306.34	*
	4.4469	44.89920	36.91600	0.00000	0.0	0.0	-0.99692	0.0	0.0	306.34	*
	4.9410	45.19200	36.51800	0.00000	0.0	0.0	-1.2203	0.0	0.0	306.34	*
C12	Line 38	45.19200	36.51800	0.00000	0.0	0.0	-1.2203	0.0	0.0	216.41	*
	0.48113	44.80478	36.23243	0.00000	0.0	0.0	-1.3614	0.0	0.0	216.41	*
	0.96226	44.41757	35.94687	0.00000	0.0	0.0	-1.4879	0.0	0.0	216.41	*
	1.4434	44.03035	35.66130	0.00000	0.0	0.0	-1.5960	0.0	0.0	216.41	*
	1.9245	43.64313	35.37574	0.00000	0.0	0.0	-1.6858	0.0	0.0	216.41	*
	2.4056	43.25591	35.09017	0.00000	0.0	0.0	-1.7595	0.0	0.0	216.41	*
	2.8868	42.86870	34.80461	0.00000	0.0	0.0	-1.8190	0.0	0.0	216.41	*
	3.3679	42.48148	34.51904	0.00000	0.0	0.0	-1.8663	0.0	0.0	216.41	*
	3.8490	42.09426	34.23348	0.00000	0.0	0.0	-1.9030	0.0	0.0	216.41	*
	4.3302	41.70704	33.94791	0.00000	0.0	0.0	-1.9303	0.0	0.0	216.41	*
	4.8113	41.31983	33.66235	0.00000	0.0	0.0	-1.9491	0.0	0.0	216.41	*
	5.2924	40.93261	33.37678	0.00000	0.0	0.0	-1.9601	0.0	0.0	216.41	*
	5.7735	40.54539	33.09122	0.00000	0.0	0.0	-1.9636	0.0	0.0	216.41	*
	6.2547	40.15817	32.80565	0.00000	0.0	0.0	-1.9600	0.0	0.0	216.41	*
	6.7358	39.77096	32.52009	0.00000	0.0	0.0	-1.9492	0.0	0.0	216.41	*
	7.2169	39.38374	32.23452	0.00000	0.0	0.0	-1.9312	0.0	0.0	216.41	*
	7.6981	38.99652	31.94896	0.00000	0.0	0.0	-1.9065	0.0	0.0	216.41	*
	8.1792	38.60930	31.66339	0.00000	0.0	0.0	-1.8716	0.0	0.0	216.41	*
	8.6603	38.22209	31.37783	0.00000	0.0	0.0	-1.8288	0.0	0.0	216.41	*
	9.1414	37.83487	31.09226	0.00000	0.0	0.0	-1.7760	0.0	0.0	216.41	*
	9.6226	37.44765	30.80670	0.00000	0.0	0.0	-1.7119	0.0	0.0	216.41	*
	10.104	37.06043	30.52113	0.00000	0.0	0.0	-1.6350	0.0	0.0	216.41	*
	10.585	36.67322	30.23557	0.00000	0.0	0.0	-1.5438	0.0	0.0	216.41	*
	11.066	36.28600	29.95000	0.00000	0.0	0.0	-1.4369	0.0	0.0	216.41	*
D1	Line 39	27.55900	34.85000	0.00000	0.0	0.0	-0.045444	0.0	0.0	126.22	*
	0.48439	27.27278	35.24078	0.00000	0.0	0.0	-0.037778	0.0	0.0	126.22	*
	0.96877	26.98656	35.63156	0.00000	0.0	0.0	-0.030830	0.0	0.0	126.22	*
	1.4532	26.70033	36.02233	0.00000	0.0	0.0	-0.024535	0.0	0.0	126.22	*

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	1.9375	26.41411	36.41311	0.00000	0.0	0.0	-0.018833	0.0	0.0	126.22 *
	2.4219	26.12789	36.80389	0.00000	0.0	0.0	-0.013672	0.0	0.0	126.22 *
	2.9063	25.84167	37.19467	0.00000	0.0	0.0	-0.0090047	0.0	0.0	126.22 *
	3.3907	25.55544	37.58544	0.00000	0.0	0.0	-0.0047869	0.0	0.0	126.22 *
	3.8751	25.26922	37.97622	0.00000	0.0	0.0	-979.52E-6	0.0	0.0	126.22 *
	4.3595	24.98300	38.36700	0.00000	0.0	0.0	0.0024534	0.0	0.0	126.22 *
D2	Line 40	24.98300	38.36700	0.00000	0.0	0.0	0.0024534	0.0	0.0	216.23 *
	0.49046	24.58738	38.07712	0.00000	0.0	0.0	0.0038914	0.0	0.0	216.23 *
	0.98091	24.19175	37.78725	0.00000	0.0	0.0	0.0053217	0.0	0.0	216.23 *
	1.4714	23.79613	37.49737	0.00000	0.0	0.0	0.0067333	0.0	0.0	216.23 *
	1.9618	23.40050	37.20750	0.00000	0.0	0.0	0.0081196	0.0	0.0	216.23 *
	2.4523	23.00488	36.91763	0.00000	0.0	0.0	0.0094744	0.0	0.0	216.23 *
	2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.010792	0.0	0.0	216.23 *
	3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.012068	0.0	0.0	216.23 *
	3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.013298	0.0	0.0	216.23 *
D3	Line 41	21.81800	36.04800	0.00000	0.0	0.0	0.013298	0.0	0.0	125.27 *
	0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.015046	0.0	0.0	125.27 *
	0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.016631	0.0	0.0	125.27 *
	1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.018062	0.0	0.0	125.27 *
	1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.019351	0.0	0.0	125.27 *
	2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.020506	0.0	0.0	125.27 *
	2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.021538	0.0	0.0	125.27 *
	3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.022454	0.0	0.0	125.27 *
D4	Line 42	19.89300	38.77000	0.00000	0.0	0.0	0.022454	0.0	0.0	35.945 *
	0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.021968	0.0	0.0	35.945 *
	0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.021463	0.0	0.0	35.945 *
	1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.020940	0.0	0.0	35.945 *
	1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.020401	0.0	0.0	35.945 *
	2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.019850	0.0	0.0	35.945 *
	2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.019288	0.0	0.0	35.945 *
	3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.018718	0.0	0.0	35.945 *
	3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.018144	0.0	0.0	35.945 *
	4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.017568	0.0	0.0	35.945 *
	4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.016994	0.0	0.0	35.945 *
	5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.016426	0.0	0.0	35.945 *
	5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.015868	0.0	0.0	35.945 *
	6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.015321	0.0	0.0	35.945 *
	6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.014792	0.0	0.0	35.945 *
	7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.014282	0.0	0.0	35.945 *
	7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.013796	0.0	0.0	35.945 *
	8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.013337	0.0	0.0	35.945 *
	8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.012909	0.0	0.0	35.945 *
	9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.012514	0.0	0.0	35.945 *
	9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.012156	0.0	0.0	35.945 *
	10.190	28.14282	44.75182	0.00000	0.0	0.0	0.011838	0.0	0.0	35.945 *
	10.676	28.53567	45.03667	0.00000	0.0	0.0	0.011562	0.0	0.0	35.945 *
	11.161	28.92852	45.32152	0.00000	0.0	0.0	0.011329	0.0	0.0	35.945 *
	11.646	29.32136	45.60636	0.00000	0.0	0.0	0.011143	0.0	0.0	35.945 *
	12.131	29.71421	45.89121	0.00000	0.0	0.0	0.011004	0.0	0.0	35.945 *
	12.617	30.10706	46.17606	0.00000	0.0	0.0	0.010914	0.0	0.0	35.945 *
	13.102	30.49991	46.46091	0.00000	0.0	0.0	0.010873	0.0	0.0	35.945 *
	13.587	30.89276	46.74576	0.00000	0.0	0.0	0.010882	0.0	0.0	35.945 *
	14.072	31.28561	47.03061	0.00000	0.0	0.0	0.010941	0.0	0.0	35.945 *
	14.558	31.67845	47.31545	0.00000	0.0	0.0	0.011049	0.0	0.0	35.945 *
	15.043	32.07130	47.60030	0.00000	0.0	0.0	0.011205	0.0	0.0	35.945 *
	15.528	32.46415	47.88515	0.00000	0.0	0.0	0.011408	0.0	0.0	35.945 *
	16.013	32.85700	48.17000	0.00000	0.0	0.0	0.011657	0.0	0.0	35.945 *
D5	Line 43	32.85700	48.17000	0.00000	0.0	0.0	0.011657	0.0	0.0	306.49 *
	0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0093101	0.0	0.0	306.49 *
	0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0066919	0.0	0.0	306.49 *
	1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0037755	0.0	0.0	306.49 *
	1.7670	33.90786	46.74943	0.00000	0.0	0.0	530.74E-6	0.0	0.0	306.49 *
	2.2088	34.17057	46.39429	0.00000	0.0	0.0	-0.0030759	0.0	0.0	306.49 *
	2.6505	34.43329	46.03914	0.00000	0.0	0.0	-0.0070817	0.0	0.0	306.49 *
	3.0923	34.69600	45.68400	0.00000	0.0	0.0	-0.011528	0.0	0.0	306.49 *
D6	Line 44	34.69600	45.68400	0.00000	0.0	0.0	-0.011528	0.0	0.0	216.48 *
	0.38681	34.38500	45.45400	0.00000	0.0	0.0	-0.012059	0.0	0.0	216.48 *
	0.77362	34.07400	45.22400	0.00000	0.0	0.0	-0.012522	0.0	0.0	216.48 *
	1.1604	33.76300	44.99400	0.00000	0.0	0.0	-0.012916	0.0	0.0	216.48 *
D7	Line 45	33.76300	44.99400	0.00000	0.0	0.0	-0.012916	0.0	0.0	306.38 *
	0.45636	34.03370	44.62660	0.00000	0.0	0.0	-0.018210	0.0	0.0	306.38 *
	0.91271	34.30440	44.25920	0.00000	0.0	0.0	-0.024108	0.0	0.0	306.38 *
	1.3691	34.57510	43.89180	0.00000	0.0	0.0	-0.030679	0.0	0.0	306.38 *
	1.8254	34.84580	43.52440	0.00000	0.0	0.0	-0.037999	0.0	0.0	306.38 *
	2.2818	35.11650	43.15700	0.00000	0.0	0.0	-0.046159	0.0	0.0	306.38 *
	2.7381	35.38720	42.78960	0.00000	0.0	0.0	-0.055258	0.0	0.0	306.38 *
	3.1945	35.65790	42.42220	0.00000	0.0	0.0	-0.065412	0.0	0.0	306.38 *
	3.6509	35.92860	42.05480	0.00000	0.0	0.0	-0.076755	0.0	0.0	306.38 *
	4.1072	36.19930	41.68740	0.00000	0.0	0.0	-0.089439	0.0	0.0	306.38 *
	4.5636	36.47000	41.32000	0.00000	0.0	0.0	-0.10364	0.0	0.0	306.38 *
D8	Line 46	36.47000	41.32000	0.00000	0.0	0.0	-0.10364	0.0	0.0	215.98 *
	0.47879	36.08257	41.03870	0.00000	0.0	0.0	-0.10490	0.0	0.0	215.98 *
	0.95758	35.69513	40.75739	0.00000	0.0	0.0	-0.10574	0.0	0.0	215.98 *
	1.4364	35.30770	40.47609	0.00000	0.0	0.0	-0.10615	0.0	0.0	215.98 *
	1.9152	34.92026	40.19478	0.00000	0.0	0.0	-0.10614	0.0	0.0	215.98 *
	2.3939	34.53283	39.91348	0.00000	0.0	0.0	-0.10570	0.0	0.0	215.98 *
	2.8727	34.14539	39.63217	0.00000	0.0	0.0	-0.10483	0.0	0.0	215.98 *
	3.3515	33.75796	39.35087	0.00000	0.0	0.0	-0.10354	0.0	0.0	215.98 *
	3.8303	33.37052	39.06957	0.00000	0.0	0.0	-0.10185	0.0	0.0	215.98 *
	4.3091	32.98309	38.78826	0.00000	0.0	0.0	-0.099779	0.0	0.0	215.98 *
	4.7879	32.59565	38.50696	0.00000	0.0	0.0	-0.097335	0.0	0.0	215.98 *
	5.2667	32.20822	38.22565	0.00000	0.0	0.0	-0.094547	0.0	0.0	215.98 *
	5.7455	31.82078	37.94435	0.00000	0.0	0.0	-0.091440	0.0	0.0	215.98 *
	6.2242	31.43335	37.66304	0.00000	0.0	0.0	-0.088044	0.0	0.0	215.98 *
	6.7030	31.04591	37.38174	0.00000	0.0	0.0	-0.084388	0.0	0.0	215.98 *
	7.1818	30.65848	37.10043	0.00000	0.0	0.0	-0.080507	0.0	0.0	215.98 *
	7.6606	30.27104	36.81913	0.00000	0.0	0.0	-0.076434	0.0	0.0	215.98 *
	8.1394	29.88361	36.53783	0.00000	0.0	0.0	-0.072205	0.0	0.0	215.98 *
	8.6182	29.49617	36.25652	0.00000	0.0	0.0	-0.067853	0.0	0.0	215.98 *
	9.0970	29.10874	35.97522	0.00000	0.0	0.0	-0.063415	0.0	0.0	215.98 *
	9.5758	28.72130	35.69391	0.00000	0.0	0.0	-0.058922	0.0	0.0	215.98 *
	10.055	28.33387	35.41261	0.00000	0.0	0.0	-0.054409	0.0	0.0	215.98 *
	10.533	27.94643	35.13130	0.00000	0.0	0.0	-0.049904	0.0	0.0	215.98 *
	11.012	27.55900	34.85000	0.00000	0.0	0.0	-0.045444	0.0	0.0	215.98 *

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.57700	22.24700	0.00000	0.0	0.0	0.0	0.0 d
0.47829	29.95067	22.54556	0.00000	0.0	0.0	0.0	0.0 d
0.95658	30.32433	22.84411	0.00000	0.0	0.0	0.0	0.0 d
1.4349	30.69800	23.14267	0.00000	0.0	0.0	0.0	0.0 d
1.9132	31.07167	23.44122	0.00000	0.0	0.0	0.0	0.0 d
2.3915	31.44533	23.73978	0.00000	0.0	0.0	0.0	0.0 d
2.8697	31.81900	24.03833	0.00000	0.0	0.0	0.0	0.0 d
3.3480	32.19267	24.33689	0.00000	0.0	0.0	0.0	0.0 d
3.8263	32.56633	24.63544	0.00000	0.0	0.0	0.0	0.0 d
4.3046	32.94000	24.93400	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94000	24.93400	0.00000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
						[mm]	[mm]
0.41896	33.20150	24.60667	0.00000	0.0	0.0	0.0	0.0 d
0.83792	33.46300	24.27933	0.00000	0.0	0.0	0.0	0.0 d
1.2569	33.72450	23.95200	0.00000	0.0	0.0	0.0	0.0 d
1.6758	33.98600	23.62467	0.00000	0.0	0.0	0.0	0.0 d
2.0948	34.24750	23.29733	0.00000	0.0	0.0	0.0	0.0 d
2.5138	34.50900	22.97000	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.50900	22.97000	0.00000	0.0	0.0	0.0	0.0 d
0.47280	34.87837	23.26512	0.00000	0.0	0.0	0.0	0.0 d
0.94559	35.24775	23.56025	0.00000	0.0	0.0	0.0	0.0 d
1.4184	35.61713	23.85537	0.00000	0.0	0.0	0.0	0.0 d
1.8912	35.98650	24.15050	0.00000	0.0	0.0	0.0	0.0 d
2.3640	36.35587	24.44563	0.00000	0.0	0.0	0.0	0.0 d
2.8368	36.72525	24.74075	0.00000	0.0	0.0	0.0	0.0 d
3.3096	37.09463	25.03588	0.00000	0.0	0.0	0.0	0.0 d
3.7824	37.46400	25.33100	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.46400	25.33100	0.00000	0.0	0.0	0.0	0.0 d
0.48725	37.75238	24.93825	0.00000	0.0	0.0	0.0	0.0 d
0.97450	38.04075	24.54550	0.00000	0.0	0.0	0.0	0.0 d
1.4618	38.32912	24.15275	0.00000	0.0	0.0	0.0	0.0 d
1.9490	38.61750	23.76000	0.00000	0.0	0.0	0.0	0.0 d
2.4363	38.90588	23.36725	0.00000	0.0	0.0	0.0	0.0 d
2.9235	39.19425	22.97450	0.00000	0.0	0.0	0.0	0.0 d
3.4108	39.48262	22.58175	0.00000	0.0	0.0	0.0	0.0 d
3.8980	39.77100	22.18900	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.77100	22.18900	0.00000	0.0	0.0	0.0	0.0 d
0.49935	39.37894	21.87975	0.00000	0.0	0.0	0.0	0.0 d
0.99870	38.98687	21.57050	0.00000	0.0	0.0	0.0	0.0 d
1.4980	38.59481	21.26125	0.00000	0.0	0.0	0.0	0.0 d
1.9974	38.20275	20.95200	0.00000	0.0	0.0	0.0	0.0 d
2.4967	37.81069	20.64275	0.00000	0.0	0.0	0.0	0.0 d
2.9961	37.41862	20.33350	0.00000	0.0	0.0	0.0	0.0 d
3.4954	37.02656	20.02425	0.00000	0.0	0.0	0.0	0.0 d
3.9948	36.63450	19.71500	0.00000	0.0	0.0	0.0	0.0 d
4.4941	36.24244	19.40575	0.00000	0.0	0.0	0.0	0.0 d
4.9935	35.85038	19.09650	0.00000	0.0	0.0	0.0	0.0 d
5.4928	35.45831	18.78725	0.00000	0.0	0.0	0.0	0.0 d
5.9922	35.06625	18.47800	0.00000	0.0	0.0	0.0	0.0 d
6.4915	34.67419	18.16875	0.00000	0.0	0.0	0.0	0.0 d
6.9909	34.28213	17.85950	0.00000	0.0	0.0	0.0	0.0 d
7.4902	33.89006	17.55025	0.00000	0.0	0.0	0.0	0.0 d
7.9896	33.49800	17.24100	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A6

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.49800	17.24100	0.00000	0.0	0.0	0.0	0.0 d
0.48914	33.19638	17.62608	0.00000	0.0	0.0	0.0	0.0 d
0.97828	32.89477	18.01115	0.00000	0.0	0.0	0.0	0.0 d
1.4674	32.59315	18.39623	0.00000	0.0	0.0	0.0	0.0 d
1.9566	32.29154	18.78131	0.00000	0.0	0.0	0.0	0.0 d
2.4457	31.98992	19.16638	0.00000	0.0	0.0	0.0	0.0 d
2.9348	31.68831	19.55146	0.00000	0.0	0.0	0.0	0.0 d
3.4240	31.38669	19.93654	0.00000	0.0	0.0	0.0	0.0 d
3.9131	31.08508	20.32162	0.00000	0.0	0.0	0.0	0.0 d
4.4022	30.78346	20.70669	0.00000	0.0	0.0	0.0	0.0 d
4.8914	30.48185	21.09177	0.00000	0.0	0.0	0.0	0.0 d
5.3805	30.18023	21.47685	0.00000	0.0	0.0	0.0	0.0 d
5.8697	29.87862	21.86192	0.00000	0.0	0.0	0.0	0.0 d
6.3588	29.57700	22.24700	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B1

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0 d
0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0 d
0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0 d
1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0 d
1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0 d
2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0 d
2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0 d
3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0 d
3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B2

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0 d
0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0 d
0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B3

Dist.	Coordinates	Displacements

	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	d
0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0	d
0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0	d
1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0	d
1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0	d
2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0	d
2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0	d
3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0	d
3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0	d
4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0	d
4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0	d
5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B4

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	d
0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0	d
0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0	d
1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B5

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	d
0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0	d
0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0	d
1.4688	29.01377	11.66323	0.00000	0.0	0.0	0.0	0.0	d
1.9584	29.40669	11.95531	0.00000	0.0	0.0	0.0	0.0	d
2.4479	29.79962	12.24738	0.00000	0.0	0.0	0.0	0.0	d
2.9375	30.19254	12.53946	0.00000	0.0	0.0	0.0	0.0	d
3.4271	30.58546	12.83154	0.00000	0.0	0.0	0.0	0.0	d
3.9167	30.97838	13.12362	0.00000	0.0	0.0	0.0	0.0	d
4.4063	31.37131	13.41569	0.00000	0.0	0.0	0.0	0.0	d
4.8959	31.76423	13.70777	0.00000	0.0	0.0	0.0	0.0	d
5.3855	32.15715	13.99985	0.00000	0.0	0.0	0.0	0.0	d
5.8751	32.55008	14.29192	0.00000	0.0	0.0	0.0	0.0	d
6.3647	32.94300	14.58400	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B6

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	32.94300	14.58400	0.00000	0.0	0.0	0.0	0.0	d
0.35614	32.73033	14.86967	0.00000	0.0	0.0	0.0	0.0	d
0.71227	32.51767	15.15533	0.00000	0.0	0.0	0.0	0.0	d
1.0684	32.30500	15.44100	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B7

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	32.30500	15.44100	0.00000	0.0	0.0	0.0	0.0	d
0.36690	32.60133	15.65733	0.00000	0.0	0.0	0.0	0.0	d
0.73379	32.89767	15.87367	0.00000	0.0	0.0	0.0	0.0	d
1.1007	33.19400	16.09000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B8

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	33.19400	16.09000	0.00000	0.0	0.0	0.0	0.0	d
0.48246	32.90414	16.47568	0.00000	0.0	0.0	0.0	0.0	d
0.96493	32.61427	16.86136	0.00000	0.0	0.0	0.0	0.0	d
1.4474	32.32441	17.24705	0.00000	0.0	0.0	0.0	0.0	d
1.9299	32.03455	17.63273	0.00000	0.0	0.0	0.0	0.0	d
2.4123	31.74468	18.01841	0.00000	0.0	0.0	0.0	0.0	d
2.8948	31.45482	18.40409	0.00000	0.0	0.0	0.0	0.0	d
3.3772	31.16495	18.78977	0.00000	0.0	0.0	0.0	0.0	d
3.8597	30.87509	19.17545	0.00000	0.0	0.0	0.0	0.0	d
4.3422	30.58523	19.56114	0.00000	0.0	0.0	0.0	0.0	d
4.8246	30.29536	19.94682	0.00000	0.0	0.0	0.0	0.0	d
5.3071	30.00550	20.33250	0.00000	0.0	0.0	0.0	0.0	d
5.7896	29.71564	20.71818	0.00000	0.0	0.0	0.0	0.0	d
6.2720	29.42577	21.10386	0.00000	0.0	0.0	0.0	0.0	d
6.7545	29.13591	21.48955	0.00000	0.0	0.0	0.0	0.0	d
7.2370	28.84605	21.87523	0.00000	0.0	0.0	0.0	0.0	d
7.7194	28.55618	22.26091	0.00000	0.0	0.0	0.0	0.0	d
8.2019	28.26632	22.64659	0.00000	0.0	0.0	0.0	0.0	d
8.6843	27.97645	23.03227	0.00000	0.0	0.0	0.0	0.0	d
9.1668	27.68659	23.41795	0.00000	0.0	0.0	0.0	0.0	d
9.6493	27.39673	23.80364	0.00000	0.0	0.0	0.0	0.0	d
10.132	27.10686	24.18932	0.00000	0.0	0.0	0.0	0.0	d
10.614	26.81700	24.57500	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B9

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	26.81700	24.57500	0.00000	0.0	0.0	0.0	0.0	d
0.43274	26.47567	24.30900	0.00000	0.0	0.0	0.0	0.0	d
0.86548	26.13433	24.04300	0.00000	0.0	0.0	0.0	0.0	d
1.2982	25.79300	23.77700	0.00000	0.0	0.0	0.0	0.0	d
1.7310	25.45167	23.51100	0.00000	0.0	0.0	0.0	0.0	d
2.1637	25.11033	23.24500	0.00000	0.0	0.0	0.0	0.0	d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
2.5964	24.76900	22.97900	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B10

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.76900	22.97900	0.00000	0.0	0.0	0.0	0.0 d
0.43530	25.02950	22.63025	0.00000	0.0	0.0	0.0	0.0 d
0.87060	25.29000	22.28150	0.00000	0.0	0.0	0.0	0.0 d
1.3059	25.55050	21.93275	0.00000	0.0	0.0	0.0	0.0 d
1.7412	25.81100	21.58400	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B11

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	25.81100	21.58400	0.00000	0.0	0.0	0.0	0.0 d
0.47915	25.43280	21.28980	0.00000	0.0	0.0	0.0	0.0 d
0.95831	25.05460	20.99560	0.00000	0.0	0.0	0.0	0.0 d
1.4375	24.67640	20.70140	0.00000	0.0	0.0	0.0	0.0 d
1.9166	24.29820	20.40720	0.00000	0.0	0.0	0.0	0.0 d
2.3958	23.92000	20.11300	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B12

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	23.92000	20.11300	0.00000	0.0	0.0	0.0	0.0 d
0.47317	24.21050	19.73950	0.00000	0.0	0.0	0.0	0.0 d
0.94635	24.50100	19.36600	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B13

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.50100	19.36600	0.00000	0.0	0.0	0.0	0.0 d
0.45943	24.13650	19.08633	0.00000	0.0	0.0	0.0	0.0 d
0.91886	23.77200	18.80667	0.00000	0.0	0.0	0.0	0.0 d
1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0 d
1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0 d
2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0 d
2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B14

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0 d
0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0 d
0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0 d
1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0 d
1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0 d
2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B15

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0 d
0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0 d
0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0 d
1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0 d
1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0 d
2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0 d
2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0 d
3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0 d
3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0 d
4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B16

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0 d
0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0 d
0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0 d
1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0 d
1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0 d
2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0 d
2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0 d
3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0 d
3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0 d
4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B17

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0 d
0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0	d
1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0	d
1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B18

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	d
0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0	d
0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0	d
1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B19

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	d
0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0	d
0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0	d
1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0	d
1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0	d
2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B20

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	d
0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0	d
0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0	d
1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0	d
1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0	d
2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0	d
2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0	d
3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0	d
3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0	d
4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0	d
4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0	d
5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C1

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	36.28600	29.95000	0.00000	0.0	0.0	0.0	0.0	d
0.45629	36.00578	30.31011	0.00000	0.0	0.0	0.0	0.0	d
0.91259	35.72556	30.67022	0.00000	0.0	0.0	0.0	0.0	d
1.3689	35.44533	31.03033	0.00000	0.0	0.0	0.0	0.0	d
1.8252	35.16511	31.39044	0.00000	0.0	0.0	0.0	0.0	d
2.2815	34.88489	31.75056	0.00000	0.0	0.0	0.0	0.0	d
2.7378	34.60467	32.11067	0.00000	0.0	0.0	0.0	0.0	d
3.1941	34.32444	32.47078	0.00000	0.0	0.0	0.0	0.0	d
3.6504	34.04422	32.83089	0.00000	0.0	0.0	0.0	0.0	d
4.1066	33.76400	33.19100	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C2

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	33.76400	33.19100	0.00000	0.0	0.0	0.0	0.0	d
0.48792	33.36471	32.91057	0.00000	0.0	0.0	0.0	0.0	d
0.97585	32.96543	32.63014	0.00000	0.0	0.0	0.0	0.0	d
1.4638	32.56614	32.34971	0.00000	0.0	0.0	0.0	0.0	d
1.9517	32.16686	32.06929	0.00000	0.0	0.0	0.0	0.0	d
2.4396	31.76757	31.78886	0.00000	0.0	0.0	0.0	0.0	d
2.9275	31.36829	31.50843	0.00000	0.0	0.0	0.0	0.0	d
3.4155	30.96900	31.22800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	30.96900	31.22800	0.00000	0.0	0.0	0.0	0.0	d
0.48944	30.68767	31.62850	0.00000	0.0	0.0	0.0	0.0	d
0.97887	30.40633	32.02900	0.00000	0.0	0.0	0.0	0.0	d
1.4683	30.12500	32.42950	0.00000	0.0	0.0	0.0	0.0	d
1.9577	29.84367	32.83000	0.00000	0.0	0.0	0.0	0.0	d
2.4472	29.56233	33.23050	0.00000	0.0	0.0	0.0	0.0	d
2.9366	29.28100	33.63100	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	29.28100	33.63100	0.00000	0.0	0.0	0.0	0.0	d
0.48464	29.66840	33.92220	0.00000	0.0	0.0	0.0	0.0	d
0.96928	30.05580	34.21340	0.00000	0.0	0.0	0.0	0.0	d
1.4539	30.44320	34.50460	0.00000	0.0	0.0	0.0	0.0	d
1.9386	30.83060	34.79580	0.00000	0.0	0.0	0.0	0.0	d
2.4232	31.21800	35.08700	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C5

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	31.21800	35.08700	0.00000	0.0	0.0	0.0	0.0	d
0.42208	31.42400	35.45540	0.00000	0.0	0.0	0.0	0.0	d
0.84417	31.63000	35.82380	0.00000	0.0	0.0	0.0	0.0	d
1.2663	31.83600	36.19220	0.00000	0.0	0.0	0.0	0.0	d
1.6883	32.04200	36.56060	0.00000	0.0	0.0	0.0	0.0	d
2.1104	32.24800	36.92900	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C6

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	32.24800	36.92900	0.00000	0.0	0.0	0.0	0.0	d
0.46414	32.62185	37.20408	0.00000	0.0	0.0	0.0	0.0	d
0.92829	32.99569	37.47915	0.00000	0.0	0.0	0.0	0.0	d
1.3924	33.36954	37.75423	0.00000	0.0	0.0	0.0	0.0	d
1.8566	33.74338	38.02931	0.00000	0.0	0.0	0.0	0.0	d
2.3207	34.11723	38.30438	0.00000	0.0	0.0	0.0	0.0	d
2.7849	34.49108	38.57946	0.00000	0.0	0.0	0.0	0.0	d
3.2490	34.86492	38.85454	0.00000	0.0	0.0	0.0	0.0	d
3.7131	35.23877	39.12962	0.00000	0.0	0.0	0.0	0.0	d
4.1773	35.61262	39.40469	0.00000	0.0	0.0	0.0	0.0	d
4.6414	35.98646	39.67977	0.00000	0.0	0.0	0.0	0.0	d
5.1056	36.36031	39.95485	0.00000	0.0	0.0	0.0	0.0	d
5.5697	36.73415	40.22992	0.00000	0.0	0.0	0.0	0.0	d
6.0339	37.10800	40.50500	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C7

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	37.10800	40.50500	0.00000	0.0	0.0	0.0	0.0	d
0.44342	37.37100	40.14800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C8

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	37.37100	40.14800	0.00000	0.0	0.0	0.0	0.0	d
0.49716	37.77140	40.44270	0.00000	0.0	0.0	0.0	0.0	d
0.99432	38.17180	40.73740	0.00000	0.0	0.0	0.0	0.0	d
1.4915	38.57220	41.03210	0.00000	0.0	0.0	0.0	0.0	d
1.9886	38.97260	41.32680	0.00000	0.0	0.0	0.0	0.0	d
2.4858	39.37300	41.62150	0.00000	0.0	0.0	0.0	0.0	d
2.9830	39.77340	41.91620	0.00000	0.0	0.0	0.0	0.0	d
3.4801	40.17380	42.21090	0.00000	0.0	0.0	0.0	0.0	d
3.9773	40.57420	42.50560	0.00000	0.0	0.0	0.0	0.0	d
4.4744	40.97460	42.80030	0.00000	0.0	0.0	0.0	0.0	d
4.9716	41.37500	43.09500	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C9

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	41.37500	43.09500	0.00000	0.0	0.0	0.0	0.0	d
0.43642	41.63367	42.74350	0.00000	0.0	0.0	0.0	0.0	d
0.87284	41.89233	42.39200	0.00000	0.0	0.0	0.0	0.0	d
1.3093	42.15100	42.04050	0.00000	0.0	0.0	0.0	0.0	d
1.7457	42.40967	41.68900	0.00000	0.0	0.0	0.0	0.0	d
2.1821	42.66833	41.33750	0.00000	0.0	0.0	0.0	0.0	d
2.6185	42.92700	40.98600	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C10

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	42.92700	40.98600	0.00000	0.0	0.0	0.0	0.0	d
0.41162	42.59550	40.74200	0.00000	0.0	0.0	0.0	0.0	d
0.82323	42.26400	40.49800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C11

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	42.26400	40.49800	0.00000	0.0	0.0	0.0	0.0	d
0.49410	42.55680	40.10000	0.00000	0.0	0.0	0.0	0.0	d
0.98820	42.84960	39.70200	0.00000	0.0	0.0	0.0	0.0	d
1.4823	43.14240	39.30400	0.00000	0.0	0.0	0.0	0.0	d
1.9764	43.43520	38.90600	0.00000	0.0	0.0	0.0	0.0	d
2.4705	43.72800	38.50800	0.00000	0.0	0.0	0.0	0.0	d
2.9646	44.02080	38.11000	0.00000	0.0	0.0	0.0	0.0	d
3.4587	44.31360	37.71200	0.00000	0.0	0.0	0.0	0.0	d
3.9528	44.60640	37.31400	0.00000	0.0	0.0	0.0	0.0	d
4.4469	44.89920	36.91600	0.00000	0.0	0.0	0.0	0.0	d
4.9410	45.19200	36.51800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C12

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	45.19200	36.51800	0.00000	0.0	0.0	0.0	0.0	d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.48113	44.80478	36.23243	0.00000	0.0	0.0	0.0	0.0 d
0.96226	44.41757	35.94687	0.00000	0.0	0.0	0.0	0.0 d
1.4434	44.03035	35.66130	0.00000	0.0	0.0	0.0	0.0 d
1.9245	43.64313	35.37574	0.00000	0.0	0.0	0.0	0.0 d
2.4056	43.25591	35.09017	0.00000	0.0	0.0	0.0	0.0 d
2.8868	42.86870	34.80461	0.00000	0.0	0.0	0.0	0.0 d
3.3679	42.48148	34.51904	0.00000	0.0	0.0	0.0	0.0 d
3.8490	42.09426	34.23348	0.00000	0.0	0.0	0.0	0.0 d
4.3302	41.70704	33.94791	0.00000	0.0	0.0	0.0	0.0 d
4.8113	41.31983	33.66235	0.00000	0.0	0.0	0.0	0.0 d
5.2924	40.93261	33.37678	0.00000	0.0	0.0	0.0	0.0 d
5.7735	40.54539	33.09122	0.00000	0.0	0.0	0.0	0.0 d
6.2547	40.15817	32.80565	0.00000	0.0	0.0	0.0	0.0 d
6.7358	39.77096	32.52009	0.00000	0.0	0.0	0.0	0.0 d
7.2169	39.38374	32.23452	0.00000	0.0	0.0	0.0	0.0 d
7.6981	38.99652	31.94896	0.00000	0.0	0.0	0.0	0.0 d
8.1792	38.60930	31.66339	0.00000	0.0	0.0	0.0	0.0 d
8.6603	38.22209	31.37783	0.00000	0.0	0.0	0.0	0.0 d
9.1414	37.83487	31.09226	0.00000	0.0	0.0	0.0	0.0 d
9.6226	37.44765	30.80670	0.00000	0.0	0.0	0.0	0.0 d
10.104	37.06043	30.52113	0.00000	0.0	0.0	0.0	0.0 d
10.585	36.67322	30.23557	0.00000	0.0	0.0	0.0	0.0 d
11.066	36.28600	29.95000	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D1

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.55900	34.85000	0.00000	0.0	0.0	0.0	0.0 d
0.48439	27.27278	35.24078	0.00000	0.0	0.0	0.0	0.0 d
0.96877	26.98656	35.63156	0.00000	0.0	0.0	0.0	0.0 d
1.4532	26.70033	36.02233	0.00000	0.0	0.0	0.0	0.0 d
1.9375	26.41411	36.41311	0.00000	0.0	0.0	0.0	0.0 d
2.4219	26.12789	36.80389	0.00000	0.0	0.0	0.0	0.0 d
2.9063	25.84167	37.19467	0.00000	0.0	0.0	0.0	0.0 d
3.3907	25.55544	37.58544	0.00000	0.0	0.0	0.0	0.0 d
3.8751	25.26922	37.97622	0.00000	0.0	0.0	0.0	0.0 d
4.3595	24.98300	38.36700	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D2

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.98300	38.36700	0.00000	0.0	0.0	0.0	0.0 d
0.49046	24.58738	38.07712	0.00000	0.0	0.0	0.0	0.0 d
0.98091	24.19175	37.78725	0.00000	0.0	0.0	0.0	0.0 d
1.4714	23.79613	37.49737	0.00000	0.0	0.0	0.0	0.0 d
1.9618	23.40050	37.20750	0.00000	0.0	0.0	0.0	0.0 d
2.4523	23.00488	36.91763	0.00000	0.0	0.0	0.0	0.0 d
2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0 d
3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0 d
3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D3

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0 d
0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0 d
0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0 d
1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0 d
1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0 d
2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0 d
2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0 d
3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D4

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0 d
0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0 d
0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0 d
1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0 d
1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0 d
2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0 d
2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0 d
3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0 d
3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0 d
4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0 d
4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0 d
5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0 d
5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0 d
6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0 d
6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0 d
7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0 d
7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0 d
8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0 d
8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0 d
9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0 d
9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0 d
10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0 d
10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0 d
11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0 d
11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0 d
12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0 d
12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0 d
13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0 d
13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0 d
14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0 d
14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0 d
15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0 d
15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0 d
16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D5

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	d
0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0	d
0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0	d
1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0	d
1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0	d
2.2088	34.17057	46.39429	0.00000	0.0	0.0	0.0	0.0	d
2.6505	34.43329	46.03914	0.00000	0.0	0.0	0.0	0.0	d
3.0923	34.69600	45.68400	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D6

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	34.69600	45.68400	0.00000	0.0	0.0	0.0	0.0	d
0.38681	34.38500	45.45400	0.00000	0.0	0.0	0.0	0.0	d
0.77362	34.07400	45.22400	0.00000	0.0	0.0	0.0	0.0	d
1.1604	33.76300	44.99400	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D7

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	33.76300	44.99400	0.00000	0.0	0.0	0.0	0.0	d
0.45636	34.03370	44.62660	0.00000	0.0	0.0	0.0	0.0	d
0.91271	34.30440	44.25920	0.00000	0.0	0.0	0.0	0.0	d
1.3691	34.57510	43.89180	0.00000	0.0	0.0	0.0	0.0	d
1.8254	34.84580	43.52440	0.00000	0.0	0.0	0.0	0.0	d
2.2818	35.11650	43.15700	0.00000	0.0	0.0	0.0	0.0	d
2.7381	35.38720	42.78960	0.00000	0.0	0.0	0.0	0.0	d
3.1945	35.65790	42.42220	0.00000	0.0	0.0	0.0	0.0	d
3.6509	35.92860	42.05480	0.00000	0.0	0.0	0.0	0.0	d
4.1072	36.19930	41.68740	0.00000	0.0	0.0	0.0	0.0	d
4.5636	36.47000	41.32000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D8

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	36.47000	41.32000	0.00000	0.0	0.0	0.0	0.0	d
0.47879	36.08257	41.03870	0.00000	0.0	0.0	0.0	0.0	d
0.95758	35.69513	40.75739	0.00000	0.0	0.0	0.0	0.0	d
1.4364	35.30770	40.47609	0.00000	0.0	0.0	0.0	0.0	d
1.9152	34.92026	40.19478	0.00000	0.0	0.0	0.0	0.0	d
2.3939	34.53283	39.91348	0.00000	0.0	0.0	0.0	0.0	d
2.8727	34.14539	39.63217	0.00000	0.0	0.0	0.0	0.0	d
3.3515	33.75796	39.35087	0.00000	0.0	0.0	0.0	0.0	d
3.8303	33.37052	39.06957	0.00000	0.0	0.0	0.0	0.0	d
4.3091	32.98309	38.78826	0.00000	0.0	0.0	0.0	0.0	d
4.7879	32.59565	38.50696	0.00000	0.0	0.0	0.0	0.0	d
5.2667	32.20822	38.22565	0.00000	0.0	0.0	0.0	0.0	d
5.7455	31.82078	37.94435	0.00000	0.0	0.0	0.0	0.0	d
6.2242	31.43335	37.66304	0.00000	0.0	0.0	0.0	0.0	d
6.7030	31.04591	37.38174	0.00000	0.0	0.0	0.0	0.0	d
7.1818	30.65848	37.10043	0.00000	0.0	0.0	0.0	0.0	d
7.6606	30.27104	36.81913	0.00000	0.0	0.0	0.0	0.0	d
8.1394	29.88361	36.53783	0.00000	0.0	0.0	0.0	0.0	d
8.6182	29.49617	36.25652	0.00000	0.0	0.0	0.0	0.0	d
9.0970	29.10874	35.97522	0.00000	0.0	0.0	0.0	0.0	d
9.5758	28.72130	35.69391	0.00000	0.0	0.0	0.0	0.0	d
10.055	28.33387	35.41261	0.00000	0.0	0.0	0.0	0.0	d
10.533	27.94643	35.13130	0.00000	0.0	0.0	0.0	0.0	d
11.012	27.55900	34.85000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates x	y	z	Displacements z	
	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	29.57700	22.24700	0.00000	-0.11176	d
0.47829	29.95067	22.54556	0.00000	-0.12976	d
0.95658	30.32433	22.84411	0.00000	-0.15020	d
1.4349	30.69800	23.14267	0.00000	-0.17349	d
1.9132	31.07167	23.44122	0.00000	-0.20010	d
2.3915	31.44533	23.73978	0.00000	-0.23065	d
2.8697	31.81900	24.03833	0.00000	-0.26587	d
3.3480	32.19267	24.33689	0.00000	-0.30670	d
3.8263	32.56633	24.63544	0.00000	-0.35434	d
4.3046	32.94000	24.93400	0.00000	-0.41032	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A2

Dist.	Coordinates x	y	z	Displacements z	
	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	32.94000	24.93400	0.00000	-0.41032	d
0.41896	33.20150	24.60667	0.00000	-0.43014	d
0.83792	33.46300	24.27933	0.00000	-0.44852	d
1.2569	33.72450	23.95200	0.00000	-0.46513	d
1.6758	33.98600	23.62467	0.00000	-0.47964	d
2.0948	34.24750	23.29733	0.00000	-0.49183	d
2.5138	34.50900	22.97000	0.00000	-0.50147	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements z	
	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	34.50900	22.97000	0.00000	-0.50147	d
0.47280	34.87837	23.26512	0.00000	-0.58934	d
0.94559	35.24775	23.56025	0.00000	-0.69691	d
1.4184	35.61713	23.85537	0.00000	-0.83073	d
1.8912	35.98650	24.15050	0.00000	-1.0004	d
2.3640	36.35587	24.44563	0.00000	-1.2207	d
2.8368	36.72525	24.74075	0.00000	-1.5165	d
3.3096	37.09463	25.03588	0.00000	-1.9328	d
3.7824	37.46400	25.33100	0.00000	-2.5649	d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	

d - Displacements include imported displacements.

Structure: A | Sub-structure: A4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	37.46400	25.33100	0.00000	-2.5649	d
0.48725	37.75238	24.93825	0.00000	-2.5901	d
0.97450	38.04075	24.54550	0.00000	-2.5938	d
1.4618	38.32912	24.15275	0.00000	-2.5762	d
1.9490	38.61750	23.76000	0.00000	-2.5369	d
2.4363	38.90588	23.36725	0.00000	-2.4744	d
2.9235	39.19425	22.97450	0.00000	-2.3853	d
3.4108	39.48262	22.58175	0.00000	-2.2644	d
3.8980	39.77100	22.18900	0.00000	-2.1043	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	39.77100	22.18900	0.00000	-2.1043	d
0.49935	39.37894	21.87975	0.00000	-1.5639	d
0.99870	38.98687	21.57050	0.00000	-1.2215	d
1.4980	38.59481	21.26125	0.00000	-0.98290	d
1.9974	38.20275	20.95200	0.00000	-0.80657	d
2.4967	37.81069	20.64275	0.00000	-0.67099	d
2.9961	37.41862	20.33350	0.00000	-0.56376	d
3.4954	37.02656	20.02425	0.00000	-0.47716	d
3.9948	36.63450	19.71500	0.00000	-0.40608	d
4.4941	36.24244	19.40575	0.00000	-0.34697	d
4.9935	35.85038	19.09650	0.00000	-0.29732	d
5.4928	35.45831	18.78725	0.00000	-0.25522	d
5.9922	35.06625	18.47800	0.00000	-0.21929	d
6.4915	34.67419	18.16875	0.00000	-0.18841	d
6.9909	34.28213	17.85950	0.00000	-0.16174	d
7.4902	33.89006	17.55025	0.00000	-0.13860	d
7.9896	33.49800	17.24100	0.00000	-0.11844	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	33.49800	17.24100	0.00000	-0.11844	d
0.48914	33.19638	17.62608	0.00000	-0.12193	d
0.97828	32.89477	18.01115	0.00000	-0.12481	d
1.4674	32.59315	18.39623	0.00000	-0.12706	d
1.9566	32.29154	18.78131	0.00000	-0.12862	d
2.4457	31.98992	19.16638	0.00000	-0.12948	d
2.9348	31.68831	19.55146	0.00000	-0.12962	d
3.4240	31.38669	19.93654	0.00000	-0.12904	d
3.9131	31.08508	20.32162	0.00000	-0.12774	d
4.4022	30.78346	20.70669	0.00000	-0.12576	d
4.8914	30.48185	21.09177	0.00000	-0.12312	d
5.3805	30.18023	21.47685	0.00000	-0.11987	d
5.8697	29.87862	21.86192	0.00000	-0.11606	d
6.3588	29.57700	22.24700	0.00000	-0.11176	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	20.51600	5.45800	0.00000	0.026413	d
0.48720	20.90600	5.75000	0.00000	0.026468	d
0.97440	21.29600	6.04200	0.00000	0.026482	d
1.4616	21.68600	6.33400	0.00000	0.026449	d
1.9488	22.07600	6.62600	0.00000	0.026364	d
2.4360	22.46600	6.91800	0.00000	0.026222	d
2.9232	22.85600	7.21000	0.00000	0.026015	d
3.4104	23.24600	7.50200	0.00000	0.025737	d
3.8976	23.63600	7.79400	0.00000	0.025379	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.63600	7.79400	0.00000	0.025379	d
0.46125	23.35400	8.15900	0.00000	0.025318	d
0.92249	23.07200	8.52400	0.00000	0.025262	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	23.07200	8.52400	0.00000	0.025262	d
0.46917	23.44545	8.80800	0.00000	0.024807	d
0.93835	23.81891	9.09200	0.00000	0.024258	d
1.4075	24.19236	9.37600	0.00000	0.023605	d
1.8767	24.56582	9.66000	0.00000	0.022838	d
2.3459	24.93927	9.94400	0.00000	0.021943	d
2.8150	25.31273	10.22800	0.00000	0.020909	d
3.2842	25.68618	10.51200	0.00000	0.019720	d
3.7534	26.05964	10.79600	0.00000	0.018361	d
4.2226	26.43309	11.08000	0.00000	0.016812	d
4.6917	26.80655	11.36400	0.00000	0.015055	d
5.1609	27.18000	11.64800	0.00000	0.013066	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	27.18000	11.64800	0.00000	0.013066	d
0.36061	27.39833	11.36100	0.00000	0.013346	d
0.72122	27.61667	11.07400	0.00000	0.013648	d
1.0818	27.83500	10.78700	0.00000	0.013969	d

d - Displacements include imported displacements.

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	

Structure: B | Sub-structure: B5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	27.83500	10.78700	0.00000	0.013969	d
0.48959	28.22792	11.07908	0.00000	0.011770	d
0.97918	28.62085	11.37115	0.00000	0.0092819	d
1.4688	29.01377	11.66323	0.00000	0.0064750	d
1.9584	29.40669	11.95531	0.00000	0.0033136	d
2.4479	29.79962	12.24738	0.00000	-242.05E-6	d
2.9375	30.19254	12.53946	0.00000	-0.0042365	d
3.4271	30.58546	12.83154	0.00000	-0.0087198	d
3.9167	30.97838	13.12362	0.00000	-0.013749	d
4.4063	31.37131	13.41569	0.00000	-0.019387	d
4.8959	31.76423	13.70777	0.00000	-0.025708	d
5.3855	32.15715	13.99985	0.00000	-0.032794	d
5.8751	32.55008	14.29192	0.00000	-0.040739	d
6.3647	32.94300	14.58400	0.00000	-0.049651	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	32.94300	14.58400	0.00000	-0.049651	d
0.35614	32.73033	14.86967	0.00000	-0.051783	d
0.71227	32.51767	15.15533	0.00000	-0.053823	d
1.0684	32.30500	15.44100	0.00000	-0.055753	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	32.30500	15.44100	0.00000	-0.055753	d
0.36690	32.60133	15.65733	0.00000	-0.063848	d
0.73379	32.89767	15.87367	0.00000	-0.072699	d
1.1007	33.19400	16.09000	0.00000	-0.082391	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	33.19400	16.09000	0.00000	-0.082391	d
0.48246	32.90414	16.47568	0.00000	-0.085736	d
0.96493	32.61427	16.86136	0.00000	-0.088736	d
1.4474	32.32441	17.24705	0.00000	-0.091340	d
1.9299	32.03455	17.63273	0.00000	-0.093512	d
2.4123	31.74468	18.01841	0.00000	-0.095220	d
2.8948	31.45482	18.40409	0.00000	-0.096438	d
3.3772	31.16495	18.78977	0.00000	-0.097149	d
3.8597	30.87509	19.17545	0.00000	-0.097341	d
4.3422	30.58523	19.56114	0.00000	-0.097011	d
4.8246	30.29536	19.94682	0.00000	-0.096164	d
5.3071	30.00550	20.33250	0.00000	-0.094814	d
5.7896	29.71564	20.71818	0.00000	-0.092980	d
6.2720	29.42577	21.10386	0.00000	-0.090690	d
6.7545	29.13591	21.48955	0.00000	-0.087977	d
7.2370	28.84605	21.87523	0.00000	-0.084880	d
7.7194	28.55618	22.26091	0.00000	-0.081440	d
8.2019	28.26632	22.64659	0.00000	-0.077704	d
8.6843	27.97645	23.03227	0.00000	-0.073719	d
9.1668	27.68659	23.41795	0.00000	-0.069532	d
9.6493	27.39673	23.80364	0.00000	-0.065190	d
10.132	27.10686	24.18932	0.00000	-0.060740	d
10.614	26.81700	24.57500	0.00000	-0.056224	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	26.81700	24.57500	0.00000	-0.056224	d
0.43274	26.47567	24.30900	0.00000	-0.048115	d
0.86548	26.13433	24.04300	0.00000	-0.040725	d
1.2982	25.79300	23.77700	0.00000	-0.033993	d
1.7310	25.45167	23.51100	0.00000	-0.027863	d
2.1637	25.11033	23.24500	0.00000	-0.022283	d
2.5964	24.76900	22.97900	0.00000	-0.017204	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	24.76900	22.97900	0.00000	-0.017204	d
0.43530	25.02950	22.63025	0.00000	-0.019127	d
0.87060	25.29000	22.28150	0.00000	-0.021012	d
1.3059	25.55050	21.93275	0.00000	-0.022837	d
1.7412	25.81100	21.58400	0.00000	-0.024589	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	25.81100	21.58400	0.00000	-0.024589	d
0.47915	25.43280	21.28980	0.00000	-0.018554	d
0.95831	25.05460	20.99560	0.00000	-0.013149	d
1.4375	24.67640	20.70140	0.00000	-0.0083121	d
1.9166	24.29820	20.40720	0.00000	-0.0039852	d
2.3958	23.92000	20.11300	0.00000	-117.37E-6	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B12

Dist.	Coordinates x	y	z	Displacements z	

[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	23.92000	20.11300	0.00000	-117.37E-6	d
0.47317	24.21050	19.73950	0.00000	-0.0010863	d
0.94635	24.50100	19.36600	0.00000	-0.0019970	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B13

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	24.50100	19.36600	0.00000	-0.0019970	d
0.45943	24.13650	19.08633	0.00000	0.0015609	d
0.91886	23.77200	18.80667	0.00000	0.0047445	d
1.3783	23.40750	18.52700	0.00000	0.0075908	d
1.8377	23.04300	18.24733	0.00000	0.010132	d
2.2971	22.67850	17.96767	0.00000	0.012397	d
2.7566	22.31400	17.68800	0.00000	0.014412	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B14

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	22.31400	17.68800	0.00000	0.014412	d
0.44350	22.04420	18.04000	0.00000	0.014779	d
0.88701	21.77440	18.39200	0.00000	0.015172	d
1.3305	21.50460	18.74400	0.00000	0.015588	d
1.7740	21.23480	19.09600	0.00000	0.016023	d
2.2175	20.96500	19.44800	0.00000	0.016475	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B15

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	20.96500	19.44800	0.00000	0.016475	d
0.49138	20.57211	19.15289	0.00000	0.018100	d
0.98276	20.17922	18.85778	0.00000	0.019524	d
1.4741	19.78633	18.56267	0.00000	0.020766	d
1.9655	19.39344	18.26756	0.00000	0.021845	d
2.4569	19.00056	17.97244	0.00000	0.022777	d
2.9483	18.60767	17.67733	0.00000	0.023574	d
3.4396	18.21478	17.38222	0.00000	0.024250	d
3.9310	17.82189	17.08711	0.00000	0.024817	d
4.4224	17.42900	16.79200	0.00000	0.025284	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B16

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	17.42900	16.79200	0.00000	0.025284	d
0.49346	17.71689	16.39122	0.00000	0.025192	d
0.98692	18.00478	15.99044	0.00000	0.025104	d
1.4804	18.29267	15.58967	0.00000	0.025022	d
1.9738	18.58056	15.18889	0.00000	0.024946	d
2.4673	18.86844	14.78811	0.00000	0.024878	d
2.9608	19.15633	14.38733	0.00000	0.024818	d
3.4542	19.44422	13.98656	0.00000	0.024767	d
3.9477	19.73211	13.58578	0.00000	0.024726	d
4.4411	20.02000	13.18500	0.00000	0.024694	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B17

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	20.02000	13.18500	0.00000	0.024694	d
0.48838	19.64200	12.87575	0.00000	0.025187	d
0.97677	19.26400	12.56650	0.00000	0.025585	d
1.4652	18.88600	12.25725	0.00000	0.025899	d
1.9535	18.50800	11.94800	0.00000	0.026136	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B18

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	18.50800	11.94800	0.00000	0.026136	d
0.43983	18.77567	11.59900	0.00000	0.026124	d
0.87965	19.04333	11.25000	0.00000	0.026115	d
1.3195	19.31100	10.90100	0.00000	0.026108	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B19

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	19.31100	10.90100	0.00000	0.026108	d
0.47300	18.93320	10.61640	0.00000	0.026282	d
0.94600	18.55540	10.33180	0.00000	0.026396	d
1.4190	18.17760	10.04720	0.00000	0.026457	d
1.8920	17.79980	9.76260	0.00000	0.026469	d
2.3650	17.42200	9.47800	0.00000	0.026439	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B20

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	

Vertical Offset 1

0.0	17.42200	9.47800	0.00000	0.026439	d
0.46116	17.70327	9.11255	0.00000	0.026440	d
0.92233	17.98455	8.74709	0.00000	0.026440	d
1.3835	18.26582	8.38164	0.00000	0.026440	d
1.8447	18.54709	8.01618	0.00000	0.026439	d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
2.3058	18.82836	7.65073	0.00000	0.026438	d
2.7670	19.10964	7.28527	0.00000	0.026436	d
3.2281	19.39091	6.91982	0.00000	0.026433	d
3.6893	19.67218	6.55436	0.00000	0.026430	d
4.1505	19.95345	6.18891	0.00000	0.026425	d
4.6116	20.23473	5.82345	0.00000	0.026419	d
5.0728	20.51600	5.45800	0.00000	0.026413	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	36.28600	29.95000	0.00000	-1.4369	d
0.45629	36.00578	30.31011	0.00000	-1.1730	d
0.91259	35.72556	30.67022	0.00000	-0.97764	d
1.3689	35.44533	31.03033	0.00000	-0.82669	d
1.8252	35.16511	31.39044	0.00000	-0.70645	d
2.2815	34.88489	31.75056	0.00000	-0.60847	d
2.7378	34.60467	32.11067	0.00000	-0.52722	d
3.1941	34.32444	32.47078	0.00000	-0.45892	d
3.6504	34.04422	32.83089	0.00000	-0.40084	d
4.1066	33.76400	33.19100	0.00000	-0.35102	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	33.76400	33.19100	0.00000	-0.35102	d
0.48792	33.36471	32.91057	0.00000	-0.33089	d
0.97585	32.96543	32.63014	0.00000	-0.31029	d
1.4638	32.56614	32.34971	0.00000	-0.28945	d
1.9517	32.16686	32.06929	0.00000	-0.26865	d
2.4396	31.76757	31.78886	0.00000	-0.24813	d
2.9275	31.36829	31.50843	0.00000	-0.22811	d
3.4155	30.96900	31.22800	0.00000	-0.20875	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	30.96900	31.22800	0.00000	-0.20875	d
0.48944	30.68767	31.62850	0.00000	-0.18496	d
0.97887	30.40633	32.02900	0.00000	-0.16354	d
1.4683	30.12500	32.42950	0.00000	-0.14425	d
1.9577	29.84367	32.83000	0.00000	-0.12686	d
2.4472	29.56233	33.23050	0.00000	-0.11117	d
2.9366	29.28100	33.63100	0.00000	-0.097018	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	29.28100	33.63100	0.00000	-0.097018	d
0.48464	29.66840	33.92220	0.00000	-0.10466	d
0.96928	30.05580	34.21340	0.00000	-0.11234	d
1.4539	30.44320	34.50460	0.00000	-0.11999	d
1.9386	30.83060	34.79580	0.00000	-0.12752	d
2.4232	31.21800	35.08700	0.00000	-0.13489	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	31.21800	35.08700	0.00000	-0.13489	d
0.42208	31.42400	35.45540	0.00000	-0.13377	d
0.84417	31.63000	35.82380	0.00000	-0.13220	d
1.2663	31.83600	36.19220	0.00000	-0.13022	d
1.6883	32.04200	36.56060	0.00000	-0.12784	d
2.1104	32.24800	36.92900	0.00000	-0.12509	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	32.24800	36.92900	0.00000	-0.12509	d
0.46414	32.62185	37.20408	0.00000	-0.12931	d
0.92829	32.99569	37.47915	0.00000	-0.13315	d
1.3924	33.36954	37.75423	0.00000	-0.13656	d
1.8566	33.74338	38.02931	0.00000	-0.13951	d
2.3207	34.11723	38.30438	0.00000	-0.14197	d
2.7849	34.49108	38.57946	0.00000	-0.14393	d
3.2490	34.86492	38.85454	0.00000	-0.14536	d
3.7131	35.23877	39.12962	0.00000	-0.14625	d
4.1773	35.61262	39.40469	0.00000	-0.14659	d
4.6414	35.98646	39.67977	0.00000	-0.14638	d
5.1056	36.36031	39.95485	0.00000	-0.14562	d
5.5697	36.73415	40.22992	0.00000	-0.14432	d
6.0339	37.10800	40.50500	0.00000	-0.14248	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	37.10800	40.50500	0.00000	-0.14248	d
0.44342	37.37100	40.14800	0.00000	-0.16265	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	37.37100	40.14800	0.00000	-0.16265	d
0.49716	37.77140	40.44270	0.00000	-0.15972	d
0.99432	38.17180	40.73740	0.00000	-0.15617	d
1.4915	38.57220	41.03210	0.00000	-0.15201	d
1.9886	38.97260	41.32680	0.00000	-0.14729	d
2.4858	39.37300	41.62150	0.00000	-0.14204	d
2.9830	39.77340	41.91620	0.00000	-0.13634	d
3.4801	40.17380	42.21090	0.00000	-0.13024	d
3.9773	40.57420	42.50560	0.00000	-0.12381	d
4.4744	40.97460	42.80030	0.00000	-0.11710	d
4.9716	41.37500	43.09500	0.00000	-0.11020	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	41.37500	43.09500	0.00000	-0.11020	d
0.43642	41.63367	42.74350	0.00000	-0.12511	d
0.87284	41.89233	42.39200	0.00000	-0.14167	d
1.3093	42.15100	42.04050	0.00000	-0.16006	d
1.7457	42.40967	41.68900	0.00000	-0.18054	d
2.1821	42.66833	41.33750	0.00000	-0.20340	d
2.6185	42.92700	40.98600	0.00000	-0.22898	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	42.92700	40.98600	0.00000	-0.22898	d
0.41162	42.59550	40.74200	0.00000	-0.24188	d
0.82323	42.26400	40.49800	0.00000	-0.25461	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	42.26400	40.49800	0.00000	-0.25461	d
0.49410	42.55680	40.10000	0.00000	-0.29207	d
0.98820	42.84960	39.70200	0.00000	-0.33536	d
1.4823	43.14240	39.30400	0.00000	-0.38575	d
1.9764	43.43520	38.90600	0.00000	-0.44490	d
2.4705	43.72800	38.50800	0.00000	-0.51507	d
2.9646	44.02080	38.11000	0.00000	-0.59938	d
3.4587	44.31360	37.71200	0.00000	-0.70242	d
3.9528	44.60640	37.31400	0.00000	-0.83113	d
4.4469	44.89920	36.91600	0.00000	-0.99692	d
4.9410	45.19200	36.51800	0.00000	-1.2203	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	45.19200	36.51800	0.00000	-1.2203	d
0.48113	44.80478	36.23243	0.00000	-1.3614	d
0.96226	44.41757	35.94687	0.00000	-1.4879	d
1.4434	44.03035	35.66130	0.00000	-1.5960	d
1.9245	43.64313	35.37574	0.00000	-1.6858	d
2.4056	43.25591	35.09017	0.00000	-1.7595	d
2.8868	42.86870	34.80461	0.00000	-1.8190	d
3.3679	42.48148	34.51904	0.00000	-1.8663	d
3.8490	42.09426	34.23348	0.00000	-1.9030	d
4.3302	41.70704	33.94791	0.00000	-1.9303	d
4.8113	41.31983	33.66235	0.00000	-1.9491	d
5.2924	40.93261	33.37678	0.00000	-1.9601	d
5.7735	40.54539	33.09122	0.00000	-1.9636	d
6.2547	40.15817	32.80565	0.00000	-1.9600	d
6.7358	39.77096	32.52009	0.00000	-1.9492	d
7.2169	39.38374	32.23452	0.00000	-1.9312	d
7.6981	38.99652	31.94896	0.00000	-1.9055	d
8.1792	38.60930	31.66339	0.00000	-1.8716	d
8.6603	38.22209	31.37783	0.00000	-1.8288	d
9.1414	37.83487	31.09226	0.00000	-1.7760	d
9.6226	37.44765	30.80670	0.00000	-1.7119	d
10.104	37.06043	30.52113	0.00000	-1.6350	d
10.585	36.67322	30.23557	0.00000	-1.5438	d
11.066	36.28600	29.95000	0.00000	-1.4369	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	27.55900	34.85000	0.00000	-0.045444	d
0.48439	27.27278	35.24078	0.00000	-0.037778	d
0.96877	26.98656	35.63156	0.00000	-0.030830	d
1.4532	26.70033	36.02233	0.00000	-0.024535	d
1.9375	26.41411	36.41311	0.00000	-0.018833	d
2.4219	26.12789	36.80389	0.00000	-0.013672	d
2.9063	25.84167	37.19467	0.00000	-0.0090047	d
3.3907	25.55544	37.58544	0.00000	-0.0047869	d
3.8751	25.26922	37.97622	0.00000	-979.52E-6	d
4.3595	24.98300	38.36700	0.00000	0.0024534	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	24.98300	38.36700	0.00000	0.0024534	d
0.49046	24.58738	38.07712	0.00000	0.0038914	d
0.98091	24.19175	37.78725	0.00000	0.0053217	d
1.4714	23.79613	37.49737	0.00000	0.0067333	d
1.9618	23.40050	37.20750	0.00000	0.0081196	d
2.4523	23.00488	36.91763	0.00000	0.0094744	d
2.9427	22.60925	36.62775	0.00000	0.010792	d
3.4332	22.21363	36.33788	0.00000	0.012068	d
3.9236	21.81800	36.04800	0.00000	0.013298	d

d - Displacements include imported displacements.

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	

Structure: D | Sub-structure: D3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	21.81800	36.04800	0.00000	0.013298	d
0.47627	21.54300	36.43686	0.00000	0.015046	d
0.95254	21.26800	36.82571	0.00000	0.016631	d
1.4288	20.99300	37.21457	0.00000	0.018062	d
1.9051	20.71800	37.60343	0.00000	0.019351	d
2.3814	20.44300	37.99229	0.00000	0.020506	d
2.8576	20.16800	38.38114	0.00000	0.021538	d
3.3339	19.89300	38.77000	0.00000	0.022454	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.89300	38.77000	0.00000	0.022454	d
0.48525	20.28585	39.05485	0.00000	0.021968	d
0.97050	20.67870	39.33970	0.00000	0.021463	d
1.4558	21.07155	39.62455	0.00000	0.020940	d
1.9410	21.46439	39.90939	0.00000	0.020401	d
2.4263	21.85724	40.19424	0.00000	0.019850	d
2.9115	22.25009	40.47909	0.00000	0.019288	d
3.3968	22.64294	40.76394	0.00000	0.018718	d
3.8820	23.03579	41.04879	0.00000	0.018144	d
4.3673	23.42864	41.33364	0.00000	0.017568	d
4.8525	23.82148	41.61848	0.00000	0.016994	d
5.3378	24.21433	41.90333	0.00000	0.016426	d
5.8230	24.60718	42.18818	0.00000	0.015868	d
6.3083	25.00003	42.47303	0.00000	0.015321	d
6.7935	25.39288	42.75788	0.00000	0.014792	d
7.2788	25.78573	43.04273	0.00000	0.014282	d
7.7640	26.17858	43.32758	0.00000	0.013796	d
8.2493	26.57142	43.61242	0.00000	0.013337	d
8.7345	26.96427	43.89727	0.00000	0.012909	d
9.2198	27.35712	44.18212	0.00000	0.012514	d
9.7050	27.74997	44.46697	0.00000	0.012156	d
10.190	28.14282	44.75182	0.00000	0.011838	d
10.676	28.53567	45.03667	0.00000	0.011562	d
11.161	28.92852	45.32152	0.00000	0.011329	d
11.646	29.32136	45.60636	0.00000	0.011143	d
12.131	29.71421	45.89121	0.00000	0.011004	d
12.617	30.10706	46.17606	0.00000	0.010914	d
13.102	30.49991	46.46091	0.00000	0.010873	d
13.587	30.89276	46.74576	0.00000	0.010882	d
14.072	31.28561	47.03061	0.00000	0.010941	d
14.558	31.67845	47.31545	0.00000	0.011049	d
15.043	32.07130	47.60030	0.00000	0.011205	d
15.528	32.46415	47.88515	0.00000	0.011408	d
16.013	32.85700	48.17000	0.00000	0.011657	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	32.85700	48.17000	0.00000	0.011657	d
0.44175	33.11971	47.81486	0.00000	0.0093101	d
0.88350	33.38243	47.45971	0.00000	0.0066919	d
1.3253	33.64514	47.10457	0.00000	0.0037755	d
1.7670	33.90786	46.74943	0.00000	530.74E-6	d
2.2088	34.17057	46.39429	0.00000	-0.0030759	d
2.6505	34.43329	46.03914	0.00000	-0.0070817	d
3.0923	34.69600	45.68400	0.00000	-0.011528	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	34.69600	45.68400	0.00000	-0.011528	d
0.38681	34.38500	45.45400	0.00000	-0.012059	d
0.77362	34.07400	45.22400	0.00000	-0.012522	d
1.1604	33.76300	44.99400	0.00000	-0.012916	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	33.76300	44.99400	0.00000	-0.012916	d
0.45636	34.03370	44.62660	0.00000	-0.018210	d
0.91271	34.30440	44.25920	0.00000	-0.024108	d
1.3691	34.57510	43.89180	0.00000	-0.030679	d
1.8254	34.84580	43.52440	0.00000	-0.037999	d
2.2818	35.11650	43.15700	0.00000	-0.046159	d
2.7381	35.38720	42.78960	0.00000	-0.055258	d
3.1945	35.65790	42.42220	0.00000	-0.065412	d
3.6509	35.92860	42.05480	0.00000	-0.076755	d
4.1072	36.19930	41.68740	0.00000	-0.089439	d
4.5636	36.47000	41.32000	0.00000	-0.10364	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	36.47000	41.32000	0.00000	-0.10364	d
0.47879	36.08257	41.03870	0.00000	-0.10490	d
0.95758	35.69513	40.75739	0.00000	-0.10574	d
1.4364	35.30770	40.47609	0.00000	-0.10615	d
1.9152	34.92026	40.19478	0.00000	-0.10614	d
2.3939	34.53283	39.91348	0.00000	-0.10570	d
2.8727	34.14539	39.63217	0.00000	-0.10483	d
3.3515	33.75796	39.35087	0.00000	-0.10354	d
3.8303	33.37052	39.06957	0.00000	-0.10185	d
4.3091	32.98309	38.78826	0.00000	-0.099779	d
4.7879	32.59565	38.50696	0.00000	-0.097335	d
5.2667	32.20822	38.22565	0.00000	-0.094547	d
5.7455	31.82078	37.94435	0.00000	-0.091440	d
6.2242	31.43335	37.66304	0.00000	-0.088044	d
6.7030	31.04591	37.38174	0.00000	-0.084388	d
7.1818	30.65848	37.10043	0.00000	-0.080507	d
7.6606	30.27104	36.81913	0.00000	-0.076434	d
8.1394	29.88361	36.53783	0.00000	-0.072205	d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
8.6182	29.49617	36.25652	0.00000	-0.067853 d
9.0970	29.10874	35.97522	0.00000	-0.063415 d
9.5758	28.72130	35.69391	0.00000	-0.058922 d
10.055	28.33387	35.41261	0.00000	-0.054409 d
10.533	27.94643	35.13130	0.00000	-0.049904 d
11.012	27.55900	34.85000	0.00000	-0.045444 d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	4.3040	Sagging	0.0010911	0.0	0.0010638	0.0	117.06E-6	26144.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	2.5130	Hogging	366.16E-6	0.0	362.10E-6	0.0	47.290E-6	67647.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.7820	Sagging	0.015068	0.0	0.013674	0.0	0.0013371	931.89	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.8980	Hogging	0.0051849	0.0	0.0050483	0.0	-328.77E-6	5751.9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	7.9890	Sagging	0.010170	0.0	0.014323	0.0	-0.0010821	1126.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	6.3580	Hogging	224.22E-6	0.0	209.18E-6	0.0	-8.7782E-6	332980.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
Calculations		[m]	[m]	[m]	[%]	[%]	[%]		[m]	

0.0 All settlements are less than the Settlement Trough Limit Sensitivity.
Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B16

Vertical Offset from Line for	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal	Max Tensile	Max Gradient of	Max Gradient of Vertical	Min Radius of	Damage Category

Vertical Movement Calculations				Strain	Strain	Horizontal Displacement Curve	Displacement Curvature			
[m]	[m]	[m]		[%]	[%]	[%]		[m]		
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.1060	Sagging	0.0060447	0.0	0.0056817	0.0	-578.30E-6	2793.8	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.4085	Hogging	27.234E-6	0.0	27.144E-6	0.0	-42.703E-6	438590.	0 (Negligible)
	2	1.4085	2.0065	Sagging	50.195E-6	0.0	48.816E-6	0.0	-42.703E-6	331480.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.4472	Sagging	252.35E-6	0.0	242.01E-6	0.0	-48.606E-6	98692.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.48464	0.14996	Hogging	0.0	0.0	0.0	0.0	15.848E-6	14.317E+6	0 (Negligible)
	2	0.63460	1.7884	Hogging	10.630E-6	0.0	10.550E-6	0.0	15.848E-6	1.2226E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.1100	Hogging	58.543E-6	0.0	58.115E-6	0.0	-6.5077E-6	394340.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curvature	Min Radius of	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.0330	Hogging	180.60E-6	0.0	169.62E-6	0.0	9.1032E-6	391620.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	0.44300 None		0.0	0.0	0.0	0.0	45.476E-6	- 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	4.9710 Hogging		113.01E-6	0.0	108.25E-6	0.0	-13.881E-6	397580. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	2.6180 Sagging		363.18E-6	0.0	346.29E-6	0.0	58.613E-6	67800. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	0.82300 Hogging		10.537E-6	0.0	10.550E-6	0.0	31.347E-6	966750. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	4.9410 Sagging		0.0047410	0.0	0.0051168	0.0	452.12E-6	3891.0 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	1	0.0	11.065 Hogging		0.0057474	0.0	0.0066939	0.0	293.22E-6	13055. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	4.5630	0.0	None	0.0	0.0	0.0	0.0	31.125E-6	133060.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.8303	Hogging	88.318E-6	0.0	86.081E-6	0.0	-4.3359E-6	534310.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0010911	0.0	117.06E-6	0.41025	0.0010638	0.0	117.06E-6	-	26144.	0 (Negligible)

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	366.16E-6	0.0	47.290E-6	0.50146	362.10E-6	0.0	47.290E-6	67647.	-	0 (Negligible)

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.015068	0.0	0.0013371	2.5644	0.013674	0.0	0.0013371	-	931.89	0 (Negligible)

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0051849	0.0	-328.77E-6	2.5935	0.0050483	0.0	-328.77E-6	5751.9	-	0 (Negligible)

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010170	0.0	-0.0010821	2.1043	0.014323	0.0	-0.0010821	-	1126.1	0 (Negligible)

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	224.22E-6	0.0	-8.7782E-6	0.12961	209.18E-6	0.0	-8.7782E-6	332980.	-	0 (Negligible)

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0060447	0.0	-578.30E-6	1.4369	0.0056817	0.0	-578.30E-6	-	2793.8	0 (Negligible)

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	50.195E-6	0.0	-42.703E-6	0.35102	48.816E-6	0.0	-42.703E-6	438590.	331480.	0 (Negligible)

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	252.35E-6	0.0	-48.606E-6	0.20875	242.01E-6	0.0	-48.606E-6	-	98692.	0 (Negligible)

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	10.630E-6	0.0	15.848E-6	0.13488	10.550E-6	0.0	15.848E-6	1.2226E+6	-	0 (Negligible)

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	58.543E-6	0.0	-6.5077E-6	0.13489	58.115E-6	0.0	-6.5077E-6	394340.	-	0 (Negligible)

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	180.60E-6	0.0	9.1032E-6	0.14658	169.62E-6	0.0	9.1032E-6	391620.	-	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Movement Calculations									
[m]	[%]	[%]	[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C7

0.0	0.0	0.0	45.476E-6	0.16263	0.0	0.0	45.476E-6	-	- 0 (Negligible)

Structure: C | Sub-structure: C8

0.0	113.01E-6	0.0	-13.881E-6	0.16265	108.25E-6	0.0	-13.881E-6	397580.	- 0 (Negligible)

Structure: C | Sub-structure: C9

0.0	363.18E-6	0.0	58.613E-6	0.22895	346.29E-6	0.0	58.613E-6	-	67800. 0 (Negligible)

Structure: C | Sub-structure: C10

0.0	10.537E-6	0.0	31.347E-6	0.25460	10.550E-6	0.0	31.347E-6	966750.	- 0 (Negligible)

Structure: C | Sub-structure: C11

0.0	0.0047410	0.0	452.12E-6	1.2203	0.0051168	0.0	452.12E-6	-	3891.0 0 (Negligible)

Structure: C | Sub-structure: C12

0.0	0.0057474	0.0	293.22E-6	1.9633	0.0066939	0.0	293.22E-6	13055.	- 0 (Negligible)

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Movement Calculations									
[m]	[%]	[%]	[mm]	[%]			[m]	[m]	

Structure: D | Sub-structure: D2

Structure: D | Sub-structure: D3

Structure: D | Sub-structure: D4

Structure: D | Sub-structure: D5

Structure: D | Sub-structure: D6

Calculations								
[m]	[%]	[%]	[mm]	[%]		[m]	[m]	

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	31.125E-6	0.10363	0.0	0.0	31.125E-6	-	-	0 (Negligible)

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	88.318E-6	0.0	-4.3359E-6	0.10615	86.081E-6	0.0	-4.3359E-6	534310.	-	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
A	Max Slope	A3	1	0.0	3.7820	Sagging	**0.0013371**	2.5644	0.013674	-	931.89	0 (Negligible)
	Max Settlement	A4	1	0.0	3.8980	Hogging	328.77E-6	**2.5935**	0.0050483	5751.9	-	0 (Negligible)
	Max Tensile Strain	A5	1	0.0	7.9890	Sagging	0.0010821	2.1043	**0.014323**	-	1126.1	0 (Negligible)
	Min Radius of Curvature (Hogging)	A4	1	0.0	3.8980	Hogging	328.77E-6	2.5935	0.0050483	**5751.9**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	A3	1	0.0	3.7820	Sagging	0.0013371	2.5644	0.013674	-	**931.89**	0 (Negligible)
B	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
	All settlements are less than the Settlement Trough Limit Sensitivity.											
C	Max Slope	C1	1	0.0	4.1060	Sagging	**578.30E-6**	1.4369	0.0056817	-	2793.8	0 (Negligible)
	Max Settlement	C12	1	0.0	11.065	Hogging	293.22E-6	**1.9633**	0.0066939	13055.	-	0 (Negligible)
	Max Tensile Strain	C12	1	0.0	11.065	Hogging	293.22E-6	1.9633	**0.0066939**	13055.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	C12	1	0.0	11.065	Hogging	293.22E-6	1.9633	0.0066939	**13055.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	C1	1	0.0	4.1060	Sagging	578.30E-6	1.4369	0.0056817	-	**2793.8**	0 (Negligible)
D	Max Slope	D7	1	4.5630	4.5630	Sagging	**31.125E-6**	0.10363	0.0	-	133060.	0 (Negligible)
	Max Settlement	D8	1	0.0	3.8303	Hogging	4.3359E-6	**0.10615**	86.081E-6	534310.	-	0 (Negligible)
	Max Tensile Strain	D8	1	0.0	3.8303	Hogging	4.3359E-6	0.10615	**86.081E-6**	534310.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	D8	1	0.0	3.8303	Hogging	4.3359E-6	0.10615	86.081E-6	**534310.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)		-	-	-	-	-	-	-	-	-	-

Xdisp Input and Output

Model: CIRIA installation and excavation

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Line	A1	-	29.57700	22.24700	0.00000	32.94000	24.93400	0.00000	9	-	-	Yes	Surface
Line	A2	-	32.94000	24.93400	0.00000	34.50900	22.97000	0.00000	6	-	-	Yes	Surface
Line	A3	-	34.50900	22.97000	0.00000	37.46400	25.33100	0.00000	8	-	-	Yes	Surface
Line	A4	-	37.46400	25.33100	0.00000	39.77100	22.18900	0.00000	8	-	-	Yes	Surface
Line	A5	-	39.77100	22.18900	0.00000	33.49800	17.24100	0.00000	16	-	-	Yes	Surface
Line	A6	-	33.49800	17.24100	0.00000	29.57700	22.24700	0.00000	13	-	-	Yes	Surface
Line	B1	-	20.51600	5.45800	0.00000	23.63600	7.79400	0.00000	8	-	-	Yes	Surface
Line	B2	-	23.63600	7.79400	0.00000	23.07200	8.52400	0.00000	2	-	-	Yes	Surface
Line	B3	-	23.07200	8.52400	0.00000	27.18000	11.64800	0.00000	11	-	-	Yes	Surface
Line	B4	-	27.18000	11.64800	0.00000	27.83500	10.78700	0.00000	3	-	-	Yes	Surface
Line	B5	-	27.83500	10.78700	0.00000	32.94300	14.58400	0.00000	13	-	-	Yes	Surface
Line	B6	-	32.94300	14.58400	0.00000	32.30500	15.44100	0.00000	3	-	-	Yes	Surface
Line	B7	-	32.30500	15.44100	0.00000	33.19400	16.09000	0.00000	3	-	-	Yes	Surface
Line	B8	-	33.19400	16.09000	0.00000	26.81700	24.57500	0.00000	22	-	-	Yes	Surface
Line	B9	-	26.81700	24.57500	0.00000	24.76900	22.97900	0.00000	6	-	-	Yes	Surface
Line	B10	-	24.76900	22.97900	0.00000	25.81100	21.58400	0.00000	4	-	-	Yes	Surface
Line	B11	-	25.81100	21.58400	0.00000	23.92000	20.11300	0.00000	5	-	-	Yes	Surface
Line	B12	-	23.92000	20.11300	0.00000	24.50100	19.36600	0.00000	2	-	-	Yes	Surface
Line	B13	-	24.50100	19.36600	0.00000	22.31400	17.68800	0.00000	6	-	-	Yes	Surface
Line	B14	-	22.31400	17.68800	0.00000	20.96500	19.44800	0.00000	5	-	-	Yes	Surface
Line	B15	-	20.96500	19.44800	0.00000	17.42900	16.79200	0.00000	9	-	-	Yes	Surface
Line	B16	-	17.42900	16.79200	0.00000	20.02000	13.18500	0.00000	9	-	-	Yes	Surface
Line	B17	-	20.02000	13.18500	0.00000	18.50800	11.94800	0.00000	4	-	-	Yes	Surface
Line	B18	-	18.50800	11.94800	0.00000	19.31100	10.90100	0.00000	3	-	-	Yes	Surface
Line	B19	-	19.31100	10.90100	0.00000	17.42200	9.47800	0.00000	5	-	-	Yes	Surface
Line	B20	-	17.42200	9.47800	0.00000	20.51600	5.45800	0.00000	11	-	-	Yes	Surface
Line	C1	-	36.28600	29.95000	0.00000	33.76400	33.19100	0.00000	9	-	-	Yes	Surface
Line	C2	-	33.76400	33.19100	0.00000	30.96900	31.22800	0.00000	7	-	-	Yes	Surface
Line	C3	-	30.96900	31.22800	0.00000	29.28100	33.63100	0.00000	6	-	-	Yes	Surface
Line	C4	-	29.28100	33.63100	0.00000	31.21800	35.08700	0.00000	5	-	-	Yes	Surface
Line	C5	-	31.21800	35.08700	0.00000	32.24800	36.92900	0.00000	5	-	-	Yes	Surface
Line	C6	-	32.24800	36.92900	0.00000	37.10800	40.50500	0.00000	13	-	-	Yes	Surface
Line	C7	-	37.10800	40.50500	0.00000	37.37100	40.14800	0.00000	1	-	-	Yes	Surface
Line	C8	-	37.37100	40.14800	0.00000	41.37500	43.09500	0.00000	10	-	-	Yes	Surface
Line	C9	-	41.37500	43.09500	0.00000	42.92700	40.98600	0.00000	6	-	-	Yes	Surface
Line	C10	-	42.92700	40.98600	0.00000	42.26400	40.49800	0.00000	2	-	-	Yes	Surface
Line	C11	-	42.26400	40.49800	0.00000	45.19200	36.51800	0.00000	10	-	-	Yes	Surface
Line	C12	-	45.19200	36.51800	0.00000	36.28600	29.95000	0.00000	23	-	-	Yes	Surface
Line	D1	-	27.55900	34.85000	0.00000	24.98300	38.36700	0.00000	9	-	-	Yes	Surface
Line	D2	-	24.98300	38.36700	0.00000	21.81800	36.04800	0.00000	8	-	-	Yes	Surface
Line	D3	-	21.81800	36.04800	0.00000	19.89300	38.77000	0.00000	7	-	-	Yes	Surface
Line	D4	-	19.89300	38.77000	0.00000	32.85700	48.17000	0.00000	33	-	-	Yes	Surface
Line	D5	-	32.85700	48.17000	0.00000	34.69600	45.68400	0.00000	7	-	-	Yes	Surface
Line	D6	-	34.69600	45.68400	0.00000	33.76300	44.99400	0.00000	3	-	-	Yes	Surface
Line	D7	-	33.76300	44.99400	0.00000	36.47000	41.32000	0.00000	10	-	-	Yes	Surface
Line	D8	-	36.47000	41.32000	0.00000	27.55900	34.85000	0.00000	23	-	-	Yes	Surface
Grid	Grid 1	Global X	0.00000	0.00000	0.00000	-	57.42000	0.00000	99	82.00000	99	No	Surface

Vertical Ground Movement Curves (Excavations)

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E\text{-}2x^4 + 3.4814E\text{-}2x^3 - 2.8885E\text{-}3x^2 - 6.5618E\text{-}2x + 4.9987E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.039][0.100,0.000,0.049][0.200,0.000,0.056][0.300,0.000,0.062]
[0.400,0.000,0.067][0.500,0.000,0.070][0.600,0.000,0.072][0.700,0.000,0.073]
[0.800,0.000,0.073][0.900,0.000,0.072][1.000,0.000,0.070][1.100,0.000,0.068]
[1.200,0.000,0.065][1.300,0.000,0.061][1.400,0.000,0.058][1.500,0.000,0.054]
[1.600,0.000,0.050][1.700,0.000,0.046][1.800,0.000,0.042][1.900,0.000,0.038]
[2.000,0.000,0.034][2.100,0.000,0.030][2.200,0.000,0.027][2.300,0.000,0.023]
[2.400,0.000,0.020][2.500,0.000,0.017][2.600,0.000,0.014][2.700,0.000,0.012]
[2.800,0.000,0.010][2.900,0.000,0.008][3.000,0.000,0.007][3.100,0.000,0.005]
[3.200,0.000,0.004][3.300,0.000,0.004][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.6455E\text{-}3x^4 + 2.8495E\text{-}2x^3 - 1.0051E\text{-}1x^2 + 1.0569E\text{-}1x + 3.8990E\text{-}2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves (Excavations)

Type	Name	Direction of extrusion	Point/Line/Line for extrusion	No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate Surface type for tunnels

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034]
[0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027]
[0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020]
[0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015]
[0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010]
[1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006]
[1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003]
[1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-4.2486E\text{-}3x^3 + 1.9096E\text{-}2x^2 - 4.6221E\text{-}2x + 4.0729E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.150][4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.75E-2x + 1.50E-1
Coeff. of Determination: 1.00

Polygonal Excavations

Excavation Name: **InstallContig**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-8.0000	No	-	-	-	-	-	-
2	48.423	37.225	-8.0000	No	-	-	-	-	-	-
3	55.142	28.291	-8.0000	No	-	-	-	-	-	-
4	42.970	19.138	-8.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	48.423	37.225	55.142	28.291	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	55.142	28.291	42.970	19.138	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	42.970	19.138	36.252	28.072	No vertical ground movement	No horizontal ground movement

Excavation Name: **Excavate**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
2	48.423	37.225	55.142	28.291	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
3	55.142	28.291	42.970	19.138	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
4	42.970	19.138	36.252	28.072	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))

Excavation Name: **IntallUnderpin**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	No vertical ground movement	No horizontal ground movement

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Horizontal
2	48.423	37.225	55.142	28.291	No vertical ground movement	No horizontal ground movement
3	55.142	28.291	42.970	19.138	No vertical ground movement	No horizontal ground movement
4	42.970	19.138	36.252	28.072	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
A	A1	A1	0.00000	4.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A2	A2	0.00000	2.51300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A3	A3	0.00000	3.78200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A4	A4	0.00000	3.89800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A5	A5	0.00000	7.98900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A6	A6	0.00000	6.35800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B1	B1	0.00000	3.89700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B2	B2	0.00000	0.92200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B3	B3	0.00000	5.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B4	B4	0.00000	1.08100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B5	B5	0.00000	6.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B6	B6	0.00000	1.06800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B7	B7	0.00000	1.10000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B8	B8	0.00000	10.61400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B9	B9	0.00000	2.59600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B10	B10	0.00000	1.74100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B11	B11	0.00000	2.39500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B12	B12	0.00000	0.94600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B13	B13	0.00000	2.75600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B14	B14	0.00000	2.21700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B15	B15	0.00000	4.42200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B16	B16	0.00000	4.44100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B17	B17	0.00000	1.95300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B18	B18	0.00000	1.31900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B19	B19	0.00000	2.36500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B20	B20	0.00000	5.07200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C1	C1	0.00000	4.10600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C2	C2	0.00000	3.41500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C3	C3	0.00000	2.93600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C4	C4	0.00000	2.42300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C5	C5	0.00000	2.11000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C6	C6	0.00000	6.03300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C7	C7	0.00000	0.44300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C8	C8	0.00000	4.97100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C9	C9	0.00000	2.61800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C10	C10	0.00000	0.82300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C11	C11	0.00000	4.94100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C12	C12	0.00000	11.06500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D1	D1	0.00000	4.35900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D2	D2	0.00000	3.92300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D3	D3	0.00000	3.33300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D4	D4	0.00000	16.01300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D5	D5	0.00000	3.09200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D6	D6	0.00000	1.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D7	D7	0.00000	4.56300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D8	D8	0.00000	11.01200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
A	A1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B13	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B14	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B15	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B16	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B17	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B18	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B19	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B20	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations	Segment Start Length Curvature	Combined Segment

[m] [m] [m]
No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

Errors

None

Displacement and Strain Results

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
A1	Line 1	29.57700	22.24700	0.00000	2.1473	1.6148	1.0476	2.6855	-0.078803	38.624
	0.47829	29.95067	22.54556	0.00000	2.2906	1.7225	1.2221	2.8647	-0.084061	38.624
	0.95658	30.32433	22.84411	0.00000	2.4339	1.8303	1.4066	3.0439	-0.089319	38.624
	1.4349	30.69800	23.14267	0.00000	2.5771	1.9380	1.5983	3.2232	-0.094578	38.624
	1.9132	31.07167	23.44122	0.00000	2.7204	2.0458	1.7937	3.4024	-0.099836	38.624
	2.3915	31.44533	23.73978	0.00000	2.8637	2.1536	1.9889	3.5816	-0.10509	38.624
	2.8697	31.81900	24.03833	0.00000	3.0158	2.2679	2.1820	3.7718	-0.11068	38.624
	3.3480	32.19267	24.33689	0.00000	3.2865	2.4715	2.3869	4.1103	-0.12061	38.624
	3.8263	32.56633	24.63544	0.00000	3.5571	2.6750	2.5775	4.4488	-0.13054	38.624
	4.3046	32.94000	24.93400	0.00000	3.8278	2.8785	2.7603	4.7873	-0.14047	38.624
A2	Line 2	32.94000	24.93400	0.00000	3.8278	2.8785	2.7603	0.14016	4.7873	308.62
	0.41896	33.20150	24.60667	0.00000	3.8347	2.8838	2.7649	0.14041	4.7960	308.62
	0.83792	33.46300	24.27933	0.00000	3.8416	2.8890	2.7695	0.14066	4.8046	308.62
	1.2569	33.72450	23.95200	0.00000	3.8486	2.8942	2.7741	0.14092	4.8133	308.62
	1.6758	33.98600	23.62467	0.00000	3.8555	2.8994	2.7787	0.14117	4.8220	308.62
	2.0948	34.24750	23.29733	0.00000	3.8625	2.9046	2.7833	0.14143	4.8307	308.62
	2.5138	34.50900	22.97000	0.00000	3.8694	2.9098	2.7879	0.14168	4.8394	308.62
A3	Line 3	34.50900	22.97000	0.00000	3.8694	2.9098	2.7879	4.8394	-0.14199	38.624
	0.47280	34.87837	23.26512	0.00000	4.1369	3.1110	2.9635	5.1740	-0.15181	38.624
	0.94559	35.24775	23.56025	0.00000	4.4045	3.3122	3.1350	5.5086	-0.16163	38.624
	1.4184	35.61713	23.85537	0.00000	4.6720	3.5134	3.2995	5.8432	-0.17144	38.624
	1.8912	35.98650	24.15050	0.00000	4.9396	3.7146	3.4515	6.1778	-0.18126	38.624
	2.3640	36.35587	24.44563	0.00000	5.2071	3.9158	3.5825	6.5124	-0.19108	38.624
	2.8368	36.72525	24.74075	0.00000	5.4747	4.1170	3.6814	6.8470	-0.20090	38.624
	3.3096	37.09463	25.03588	0.00000	5.7422	4.3182	3.7341	7.1816	-0.21071	38.624
	3.7824	37.46400	25.33100	0.00000	6.0098	4.5194	3.7238	7.5162	-0.22053	38.624
A4	Line 4	37.46400	25.33100	0.00000	6.0098	4.5194	3.7238	-0.086077	7.5190	306.29
	0.48725	37.75238	24.93825	0.00000	6.0066	4.5171	3.7244	-0.086032	7.5150	306.29
	0.97450	38.04075	24.54550	0.00000	6.0034	4.5147	3.7249	-0.085986	7.5111	306.29
	1.4618	38.32912	24.15275	0.00000	6.0003	4.5123	3.7255	-0.085941	7.5071	306.29
	1.9490	38.61750	23.76000	0.00000	5.9971	4.5099	3.7260	-0.085896	7.5032	306.29
	2.4363	38.90588	23.36725	0.00000	5.9940	4.5076	3.7265	-0.085851	7.4992	306.29
	2.9235	39.19425	22.97450	0.00000	5.9908	4.5052	3.7270	-0.085805	7.4953	306.29
	3.4108	39.48262	22.58175	0.00000	5.9877	4.5028	3.7275	-0.085760	7.4913	306.29
	3.8980	39.77100	22.18900	0.00000	5.9845	4.5004	3.7280	-0.085715	7.4874	306.29
A5	Line 5	39.77100	22.18900	0.00000	5.9845	4.5004	3.7280	-7.4859	0.17274	218.27
	0.49935	39.37894	21.87975	0.00000	5.7019	4.2879	3.7298	-7.1323	0.16458	218.27
	0.99870	38.98687	21.57050	0.00000	5.4193	4.0754	3.6642	-6.7788	0.15642	218.27
	1.4980	38.59481	21.26125	0.00000	5.1366	3.8628	3.5506	-6.4253	0.14826	218.27
	1.9974	38.20275	20.95200	0.00000	4.8540	3.6503	3.4047	-6.0718	0.14011	218.27
	2.4967	37.81069	20.64275	0.00000	4.5714	3.4378	3.2387	-5.7183	0.13195	218.27
	2.9961	37.41862	20.33350	0.00000	4.2888	3.2252	3.0615	-5.3648	0.12379	218.27
	3.4954	37.02656	20.02425	0.00000	4.0062	3.0127	2.8782	-5.0112	0.11563	218.27
	3.9948	36.63450	19.71500	0.00000	3.7236	2.8002	2.6906	-4.6577	0.10748	218.27
	4.4941	36.24244	19.40575	0.00000	3.4410	2.5877	2.4970	-4.3042	0.099320	218.27
	4.9935	35.85038	19.09650	0.00000	3.1583	2.3751	2.2922	-3.9507	0.091163	218.27
	5.4928	35.45831	18.78725	0.00000	2.9328	2.2055	2.0818	-3.6686	0.084654	218.27
	5.9922	35.06625	18.47800	0.00000	2.7832	2.0930	1.8795	-3.4815	0.080335	218.27
	6.4915	34.67419	18.16875	0.00000	2.6336	1.9805	1.6750	-3.2943	0.076016	218.27
	6.9909	34.28213	17.85950	0.00000	2.4840	1.8680	1.4730	-3.1072	0.071698	218.27
	7.4902	33.89006	17.55025	0.00000	2.3344	1.7555	1.2776	-2.9200	0.067379	218.27
	7.9896	33.49800	17.24100	0.00000	2.1847	1.6430	1.0921	-2.7328	0.063061	218.27
A6	Line 6	33.49800	17.24100	0.00000	2.1847	1.6430	1.0921	-0.053741	-2.7330	128.07
	0.48914	33.19638	17.62608	0.00000	2.1819	1.6408	1.0887	-0.053670	-2.7294	128.07
	0.97828	32.89477	18.01115	0.00000	2.1790	1.6386	1.0852	-0.053599	-2.7258	128.07
	1.4674	32.59315	18.39623	0.00000	2.1761	1.6365	1.0818	-0.053528	-2.7222	128.07
	1.9566	32.29154	18.78131	0.00000	2.1732	1.6343	1.0783	-0.053457	-2.7186	128.07
	2.4457	31.98992	19.16638	0.00000	2.1703	1.6321	1.0749	-0.053386	-2.7150	128.07
	2.9348	31.68831	19.55146	0.00000	2.1675	1.6300	1.0715	-0.053315	-2.7114	128.07
	3.4240	31.38669	19.93654	0.00000	2.1646	1.6278	1.0681	-0.053244	-2.7078	128.07
	3.9131	31.08508	20.32162	0.00000	2.1617	1.6256	1.0646	-0.053173	-2.7042	128.07
	4.4022	30.78346	20.70669	0.00000	2.1588	1.6235	1.0612	-0.053102	-2.7006	128.07
	4.8914	30.48185	21.09177	0.00000	2.1559	1.6213	1.0578	-0.053032	-2.6970	128.07
	5.3805	30.18023	21.47685	0.00000	2.1530	1.6191	1.0544	-0.052961	-2.6934	128.07
	5.8697	29.87862	21.86192	0.00000	2.1502	1.6170	1.0510	-0.052890	-2.6898	128.07
	6.3588	29.57700	22.24700	0.00000	2.1473	1.6148	1.0476	-0.052819	-2.6862	128.07
B1	Line 7	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
B2	Line 8	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
B3	Line 9	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
B4	Line 10	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
B5	Line 11	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	1.4688	29.01377	11.66323	0.00000	0.10586	0.079609	0.027621	0.13245	736.68E-6	36.625
	1.9584	29.40669	11.95531	0.00000	0.25259	0.18995	0.052290	0.31604	0.0017578	36.625
	2.4479	29.79962	12.24738	0.00000	0.39933	0.30030	0.071524	0.49963	0.0027789	36.625
	2.9375	30.19254	12.53946	0.00000	0.54606	0.41064	0.090144	0.68322	0.0038000	36.625
	3.4271	30.58546	12.83154	0.00000	0.69279	0.52099	0.11240	0.86681	0.0048211	36.625
	3.9167	30.97838	13.12362	0.00000	0.83952	0.63133	0.14198	1.0504	0.0058422	36.625
	4.4063	31.37131	13.41569	0.00000	0.98626	0.74168	0.18199	1.2340	0.0068633	36.625
	4.8959	31.76423	13.70777	0.00000	1.1330	0.85202	0.23496	1.4176	0.0078844	36.625
	5.3855	32.15715	13.99985	0.00000	1.2797	0.96237	0.30288	1.6012	0.0089055	36.625

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	5.8751	32.55008	14.29192	0.00000	1.4265	1.0727	0.38715	1.7848	0.0099266	36.625
	6.3647	32.94300	14.58400	0.00000	1.5732	1.1831	0.48858	1.9684	0.010948	36.625
B6	Line 12	32.94300	14.58400	0.00000	1.5732	1.1831	0.48858	0.0095366	-1.9684	126.67
	0.35614	32.73033	14.86967	0.00000	1.5737	1.1834	0.48897	0.0095398	-1.9690	126.67
	0.71227	32.51767	15.15533	0.00000	1.5742	1.1838	0.48936	0.0095429	-1.9697	126.67
	1.0684	32.30500	15.44100	0.00000	1.5747	1.1842	0.48975	0.0095460	-1.9703	126.67
B7	Line 13	32.30500	15.44100	0.00000	1.5747	1.1842	0.48975	1.9701	0.027957	36.131
	0.36690	32.60133	15.65733	0.00000	1.6847	1.2669	0.57734	2.1077	0.029909	36.131
	0.73379	32.89767	15.87367	0.00000	1.7946	1.3496	0.67462	2.2452	0.031861	36.131
	1.1007	33.19400	16.09000	0.00000	1.9046	1.4323	0.78132	2.3828	0.033813	36.131
B8	Line 14	33.19400	16.09000	0.00000	1.9046	1.4323	0.78132	690.00E-6	-2.3830	126.93
	0.48246	32.90414	16.47568	0.00000	1.9046	1.4323	0.78137	690.02E-6	-2.3831	126.93
	0.96493	32.61427	16.86136	0.00000	1.9047	1.4323	0.78141	690.04E-6	-2.3831	126.93
	1.4474	32.32441	17.24705	0.00000	1.9047	1.4324	0.78145	690.05E-6	-2.3832	126.93
	1.9299	32.03455	17.63273	0.00000	1.9048	1.4324	0.78149	690.07E-6	-2.3833	126.93
	2.4123	31.74468	18.01841	0.00000	1.9048	1.4324	0.78153	690.08E-6	-2.3833	126.93
	2.8948	31.45482	18.40409	0.00000	1.9048	1.4325	0.78158	690.10E-6	-2.3834	126.93
	3.3772	31.16495	18.78977	0.00000	1.9049	1.4325	0.78162	690.11E-6	-2.3834	126.93
	3.8597	30.87509	19.17545	0.00000	1.9049	1.4325	0.78166	690.13E-6	-2.3835	126.93
	4.3422	30.58523	19.56114	0.00000	1.9050	1.4326	0.78170	690.14E-6	-2.3835	126.93
	4.8246	30.29536	19.94682	0.00000	1.9050	1.4326	0.78175	690.16E-6	-2.3836	126.93
	5.3071	30.00550	20.33250	0.00000	1.9051	1.4326	0.78179	690.17E-6	-2.3836	126.93
	5.7896	29.71564	20.71818	0.00000	1.9051	1.4327	0.78183	690.19E-6	-2.3837	126.93
	6.2720	29.42577	21.10386	0.00000	1.9051	1.4327	0.78187	690.20E-6	-2.3837	126.93
	6.7545	29.13591	21.48955	0.00000	1.9052	1.4327	0.78192	690.22E-6	-2.3838	126.93
	7.2370	28.84605	21.87523	0.00000	1.9052	1.4328	0.78196	690.23E-6	-2.3838	126.93
	7.7194	28.55618	22.26091	0.00000	1.9053	1.4328	0.78200	690.25E-6	-2.3839	126.93
	8.2019	28.26632	22.64659	0.00000	1.8953	1.3181	0.81748	-0.085044	-2.3070	126.93
	8.6843	27.97645	23.03227	0.00000	1.8779	1.1954	0.84669	-0.17264	-2.2193	126.93
	9.1668	27.68659	23.41795	0.00000	1.8532	1.0714	0.86764	-0.25691	-2.1251	126.93
	9.6493	27.39673	23.80364	0.00000	1.8214	0.94823	0.88014	-0.33625	-2.0257	126.93
	10.132	27.10686	24.18932	0.00000	1.7825	0.82775	0.88419	-0.40924	-1.9223	126.93
	10.614	26.81700	24.57500	0.00000	1.7369	0.71168	0.88001	-0.47459	-1.8160	126.93
B9	Line 15	26.81700	24.57500	0.00000	1.7369	0.71168	0.88001	-1.8075	0.50628	217.93
	0.43274	26.47567	24.30900	0.00000	1.6123	0.69447	0.74852	-1.6986	0.44327	217.93
	0.86548	26.13433	24.04300	0.00000	1.4874	0.67681	0.63096	-1.5856	0.38517	217.93
	1.2982	25.79300	23.77700	0.00000	1.3623	0.64145	0.52735	-1.4688	0.33140	217.93
	1.7310	25.45167	23.51100	0.00000	1.2368	0.60699	0.43742	-1.3487	0.28148	217.93
	2.1637	25.11033	23.24500	0.00000	1.1132	0.56522	0.36062	-1.2255	0.23845	217.93
	2.5964	24.76900	22.97900	0.00000	0.99359	0.51369	0.29605	-1.0995	0.20556	217.93
B10	Line 16	24.76900	22.97900	0.00000	0.99359	0.51369	0.29605	0.18305	1.1034	306.76
	0.43530	25.02950	22.63025	0.00000	1.0251	0.56721	0.29275	0.15905	1.1607	306.76
	0.87060	25.29000	22.28150	0.00000	1.0528	0.62078	0.28700	0.13267	1.2149	306.76
	1.3059	25.55050	21.93275	0.00000	1.0763	0.67380	0.27877	0.10429	1.2656	306.76
	1.7412	25.81100	21.58400	0.00000	1.0957	0.72563	0.26813	0.074338	1.3121	306.76
B11	Line 17	25.81100	21.58400	0.00000	1.0957	0.72563	0.26813	-1.3104	0.099997	217.88
	0.47915	25.43280	21.28980	0.00000	0.95543	0.63660	0.21138	-1.1450	0.084156	217.88
	0.95831	25.05460	20.99560	0.00000	0.81492	0.54603	0.16722	-0.97848	0.069375	217.88
	1.4375	24.67640	20.70140	0.00000	0.67417	0.45406	0.13221	-0.81092	0.055543	217.88
	1.9166	24.29820	20.40720	0.00000	0.53320	0.36085	0.10638	-0.64242	0.042566	217.88
	2.3958	23.92000	20.11300	0.00000	0.39204	0.26650	0.083249	-0.47307	0.030361	217.88
B12	Line 18	23.92000	20.11300	0.00000	0.39204	0.26650	0.083249	0.030327	0.47307	307.87
	0.47317	24.21050	19.73950	0.00000	0.40417	0.28795	0.079256	0.020846	0.49581	307.87
	0.94635	24.50100	19.36600	0.00000	0.41185	0.30678	0.074384	0.010696	0.51344	307.87
B13	Line 19	24.50100	19.36600	0.00000	0.41185	0.30678	0.074384	-0.51349	0.0073141	217.50
	0.45943	24.13650	19.08633	0.00000	0.27435	0.20450	0.056177	-0.34215	0.0047608	217.50
	0.91886	23.77200	18.80667	0.00000	0.13683	0.10206	0.033922	-0.17068	0.0023221	217.50
	1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
B14	Line 20	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
B15	Line 21	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
B16	Line 22	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
B17	Line 23	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
B18	Line 24	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
B19	Line 25	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
B20	Line 26	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
C1	Line 27	36.28600	29.95000	0.00000	4.8497	-6.4489	5.5333	-8.0679	0.13300	127.89
	0.45629	36.00578	30.31011	0.00000	4.6409	-6.1713	5.6003	-7.7205	0.12727	127.89
	0.91259	35.72556	30.67022	0.00000	4.4371	-5.9003	5.6019	-7.3815	0.12168	127.89
	1.3689	35.44533	31.03033	0.00000	4.2381	-5.6356	5.5461	-7.0504	0.11623	127.89
	1.8252	35.16511	31.39044	0.00000	4.0436	-5.3770	5.4406	-6.7269	0.11089	127.89
	2.2815	34.88489	31.75056	0.00000	3.8535	-5.1242	5.2928	-6.4106	0.10568	127.89
	2.7378	34.60467	32.11067	0.00000	3.6674	-4.8768	5.1094	-6.1011	0.10058	127.89
	3.1941	34.32444	32.47078	0.00000	3.4853	-4.6345	4.8968	-5.7980	0.095579	127.89
	3.6504	34.04422	32.83089	0.00000	3.3067	-4.3971	4.6610	-5.5010	0.090683	127.89
	4.1066	33.76400	33.19100	0.00000	3.1316	-4.1643	4.4074	-5.2097	0.085881	127.89
C2	Line 28	33.76400	33.19100	0.00000	3.1316	-4.1643	4.4074	-0.16936	5.2076	215.08
	0.48792	33.36471	32.91057	0.00000	3.1256	-4.1563	4.3984	-0.16903	5.1976	215.08
	0.97585	32.96543	32.63014	0.00000	3.1196	-4.1482	4.3893	-0.16871	5.1876	215.08
	1.4638	32.56614	32.34971	0.00000	3.1126	-3.8578	4.2864	-0.32992	4.9459	215.08
	1.9517	32.16686	32.06929	0.00000	3.0900	-3.4752	4.1366	-0.53135	4.6199	215.08
	2.4396	31.76757	31.78886	0.00000	3.0498	-3.0957	3.9685	-0.71652	4.2862	215.08
	2.9275	31.36829	31.50843	0.00000	2.9917	-2.7292	3.7846	-0.87967	3.9529	215.08
	3.4155	30.96900	31.22800	0.00000	2.9264	-2.3761	3.5895	-1.0292	3.6263	215.08
C3	Line 29	30.96900	31.22800	0.00000	2.9264	-2.3761	3.5895	-3.6264	-1.0289	125.09
	0.48944	30.68767	31.62850	0.00000	2.7669	-2.3460	3.3763	-3.5101	-0.91562	125.09
	0.97887	30.40633	32.02900	0.00000	2.6066	-2.2910	3.1496	-3.3730	-0.81608	125.09
	1.4683	30.12500	32.42950	0.00000	2.4461	-2.2159	2.9148	-3.2193	-0.72790	125.09
	1.9577	29.84367	32.83000	0.00000	2.2857	-2.1244	2.6769	-3.0522	-0.64925	125.09
	2.4472	29.56233	33.23050	0.00000	2.1256	-2.0193	2.4401	-2.8742	-0.57865	125.09
	2.9366	29.28100	33.63100	0.00000	1.9659	-1.9029	2.2082	-2.6872	-0.51488	125.09
C4	Line 30	29.28100	33.63100	0.00000	1.9659	-1.9029	2.2082	0.42810	-2.7023	36.931
	0.48464	29.66840	33.92220	0.00000	1.9963	-2.0846	2.3135	0.34317	-2.8658	36.931

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	0.96928	30.05580	34.21340	0.00000	2.0182	-2.2646	2.4081	0.25254	-3.0229	36.931
	1.4539	30.44320	34.50460	0.00000	2.0313	-2.4400	2.4906	0.15764	-3.1710	36.931
	1.9386	30.83060	34.79580	0.00000	2.0353	-2.6078	2.5596	0.060026	-3.3075	36.931
	2.4232	31.21800	35.08700	0.00000	2.0333	-2.7038	2.5940	746.40E-6	-3.3830	36.931
C5	Line 31	31.21800	35.08700	0.00000	2.0333	-2.7038	2.5940	-1.3675	-3.0943	60.787
	0.42208	31.42400	35.45540	0.00000	1.9746	-2.6257	2.4986	-1.3281	-3.0050	60.787
	0.84417	31.63000	35.82380	0.00000	1.9161	-2.5480	2.4048	-1.2887	-2.9160	60.787
	1.2663	31.83600	36.19220	0.00000	1.8579	-2.4705	2.3127	-1.2495	-2.8273	60.787
	1.6883	32.04200	36.56060	0.00000	1.7998	-2.3933	2.2222	-1.2105	-2.7389	60.787
	2.1104	32.24800	36.92900	0.00000	1.7419	-2.3163	2.1336	-1.1716	-2.6509	60.787
C6	Line 32	32.24800	36.92900	0.00000	1.7419	-2.3163	2.1336	0.030263	-2.8980	36.346
	0.46414	32.62185	37.20408	0.00000	1.7436	-2.3185	2.1361	0.030291	-2.9008	36.346
	0.92829	32.99569	37.47915	0.00000	1.7452	-2.3207	2.1386	0.030320	-2.9035	36.346
	1.3924	33.36954	37.75423	0.00000	1.7468	-2.3229	2.1411	0.030348	-2.9062	36.346
	1.8566	33.74338	38.02931	0.00000	1.7485	-2.3250	2.1436	0.030377	-2.9090	36.346
	2.3207	34.11723	38.30438	0.00000	1.7501	-2.3272	2.1461	0.030405	-2.9117	36.346
	2.7849	34.49108	38.57946	0.00000	1.7518	-2.3294	2.1486	0.030434	-2.9144	36.346
	3.2490	34.86492	38.85454	0.00000	1.7534	-2.3316	2.1511	0.030463	-2.9172	36.346
	3.7131	35.23877	39.12962	0.00000	1.7551	-2.3338	2.1536	0.030491	-2.9199	36.346
	4.1773	35.61262	39.40469	0.00000	1.7567	-2.3360	2.1561	0.030520	-2.9226	36.346
	4.6414	35.98646	39.67977	0.00000	1.7583	-2.3382	2.1586	0.030548	-2.9254	36.346
	5.1056	36.36031	39.95485	0.00000	1.7600	-2.3403	2.1611	0.030577	-2.9281	36.346
	5.5697	36.73415	40.22992	0.00000	1.7616	-2.3425	2.1636	0.030605	-2.9308	36.346
	6.0339	37.10800	40.50500	0.00000	1.7633	-2.3447	2.1661	0.030634	-2.9336	36.346
C7	Line 33	37.10800	40.50500	0.00000	1.7633	-2.3447	2.1661	2.9336	0.028936	306.38
	0.44342	37.37100	40.14800	0.00000	1.9143	-2.5455	2.4018	3.1848	0.031414	306.38
C8	Line 34	37.37100	40.14800	0.00000	1.9143	-2.5455	2.4018	0.032820	-3.1848	36.354
	0.49716	37.77140	40.44270	0.00000	1.9160	-2.5478	2.4046	0.032850	-3.1877	36.354
	0.99432	38.17180	40.73740	0.00000	1.9178	-2.5502	2.4074	0.032880	-3.1906	36.354
	1.4915	38.57220	41.03210	0.00000	1.9195	-2.5525	2.4102	0.032910	-3.1935	36.354
	1.9886	38.97260	41.32680	0.00000	1.9213	-2.5548	2.4130	0.032940	-3.1965	36.354
	2.4858	39.37300	41.62150	0.00000	1.9230	-2.5571	2.4158	0.032970	-3.1994	36.354
	2.9830	39.77340	41.91620	0.00000	1.9248	-2.5595	2.4186	0.033000	-3.2023	36.354
	3.4801	40.17380	42.21090	0.00000	1.9265	-2.5618	2.4214	0.033031	-3.2052	36.354
	3.9773	40.57420	42.50560	0.00000	1.9283	-2.5641	2.4242	0.033061	-3.2081	36.354
	4.4744	40.97460	42.80030	0.00000	1.9301	-2.5665	2.4270	0.033091	-3.2110	36.354
	4.9716	41.37500	43.09500	0.00000	1.9318	-2.5688	2.4298	0.033121	-3.2140	36.354
C9	Line 35	41.37500	43.09500	0.00000	1.9318	-2.5688	2.4298	3.2140	0.033371	306.35
	0.43642	41.63367	42.74350	0.00000	2.0820	-2.7685	2.6739	3.4638	0.035965	306.35
	0.87284	41.89233	42.39200	0.00000	2.2337	-2.9703	2.9269	3.7163	0.038587	306.35
	1.3093	42.15100	42.04050	0.00000	2.3873	-3.1745	3.1868	3.9717	0.041240	306.35
	1.7457	42.40967	41.68900	0.00000	2.5428	-3.3813	3.4512	4.2305	0.043926	306.35
	2.1821	42.66833	41.33750	0.00000	2.7006	-3.5911	3.7173	4.4929	0.046651	306.35
	2.6185	42.92700	40.98600	0.00000	2.8607	-3.8040	3.9819	4.7593	0.049417	306.35
C10	Line 36	42.92700	40.98600	0.00000	2.8607	-3.8040	3.9819	-0.048940	4.7593	216.35
	0.41162	42.59550	40.74200	0.00000	2.8591	-3.8019	3.9794	-0.048914	4.7567	216.35
	0.82323	42.26400	40.49800	0.00000	2.8575	-3.7998	3.9768	-0.048887	4.7541	216.35
C11	Line 37	42.26400	40.49800	0.00000	2.8575	-3.7998	3.9768	4.7541	0.050028	306.34
	0.49410	42.55680	40.10000	0.00000	3.0419	-4.0450	4.2704	5.0608	0.053255	306.34
	0.98820	42.84960	39.70200	0.00000	3.2299	-4.2949	4.5521	5.3736	0.056546	306.34
	1.4823	43.14240	39.30400	0.00000	3.4217	-4.5500	4.8158	5.6927	0.059905	306.34
	1.9764	43.43520	38.90600	0.00000	3.6177	-4.8107	5.0545	6.0189	0.063337	306.34
	2.4705	43.72800	38.50800	0.00000	3.8182	-5.0773	5.2609	6.3524	0.066847	306.34
	2.9646	44.02080	38.11000	0.00000	4.0235	-5.3502	5.4270	6.6939	0.070440	306.34
	3.4587	44.31360	37.71200	0.00000	4.2338	-5.6299	5.5443	7.0438	0.074122	306.34
	3.9528	44.60640	37.31400	0.00000	4.4494	-5.9166	5.6035	7.4025	0.077897	306.34
	4.4469	44.89920	36.91600	0.00000	4.6707	-6.2108	5.5949	7.7706	0.081770	306.34
	4.9410	45.19200	36.51800	0.00000	4.8978	-6.5129	5.5082	8.1486	0.085747	306.34
C12	Line 38	45.19200	36.51800	0.00000	4.8978	-6.5129	5.5082	-0.076228	8.1487	216.41
	0.48113	44.80478	36.23243	0.00000	4.8957	-6.5101	5.5093	-0.076196	8.1452	216.41
	0.96226	44.41757	35.94687	0.00000	4.8936	-6.5073	5.5105	-0.076163	8.1417	216.41
	1.4434	44.03035	35.66130	0.00000	4.8915	-6.5045	5.5117	-0.076130	8.1382	216.41
	1.9245	43.64313	35.37574	0.00000	4.8895	-6.5017	5.5128	-0.076098	8.1347	216.41
	2.4056	43.25591	35.09017	0.00000	4.8874	-6.4989	5.5140	-0.076065	8.1312	216.41
	2.8868	42.86870	34.80461	0.00000	4.8853	-6.4962	5.5151	-0.076033	8.1277	216.41
	3.3679	42.48148	34.51904	0.00000	4.8832	-6.4934	5.5162	-0.076000	8.1243	216.41
	3.8490	42.09426	34.23348	0.00000	4.8811	-6.4906	5.5174	-0.075967	8.1208	216.41
	4.3302	41.70704	33.94791	0.00000	4.8790	-6.4878	5.5185	-0.075935	8.1173	216.41
	4.8113	41.31983	33.66235	0.00000	4.8769	-6.4850	5.5196	-0.075902	8.1138	216.41
	5.2924	40.93261	33.37678	0.00000	4.8748	-6.4822	5.5207	-0.075870	8.1103	216.41
	5.7735	40.54539	33.09122	0.00000	4.8727	-6.4795	5.5218	-0.075837	8.1069	216.41
	6.2547	40.15817	32.80565	0.00000	4.8706	-6.4767	5.5229	-0.075805	8.1034	216.41
	6.7358	39.77096	32.52009	0.00000	4.8685	-6.4739	5.5239	-0.075772	8.0999	216.41
	7.2169	39.38374	32.23452	0.00000	4.8664	-6.4711	5.5250	-0.075740	8.0964	216.41
	7.6981	38.99652	31.94896	0.00000	4.8644	-6.4684	5.5261	-0.075707	8.0929	216.41
	8.1792	38.60930	31.66339	0.00000	4.8623	-6.4656	5.5271	-0.075675	8.0895	216.41
	8.6603	38.22209	31.37783	0.00000	4.8602	-6.4628	5.5282	-0.075642	8.0860	216.41
	9.1414	37.83487	31.09226	0.00000	4.8581	-6.4600	5.5292	-0.075610	8.0825	216.41
	9.6226	37.44765	30.80670	0.00000	4.8560	-6.4572	5.5303	-0.075577	8.0790	216.41
	10.104	37.06043	30.52113	0.00000	4.8539	-6.4545	5.5313	-0.075545	8.0756	216.41
	10.585	36.67322	30.23557	0.00000	4.8518	-6.4517	5.5323	-0.075512	8.0721	216.41
	11.066	36.28600	29.95000	0.00000	4.8497	-6.4489	5.5333	-0.075480	8.0686	216.41
D1	Line 39	27.55900	34.85000	0.00000	1.2712	-1.1690	1.2583	-1.6942	-0.33477	126.22
	0.48439	27.27278	35.24078	0.00000	1.1167	-1.0331	1.0993	-1.4933	-0.29045	126.22
	0.96877	26.98656	35.63156	0.00000	0.96197	-0.89125	0.95337	-1.2874	-0.24943	126.22
	1.4532	26.70033	36.02233	0.00000	0.84441	-0.79389	0.81985	-1.1394	-0.21212	126.22
	1.9375	26.41411	36.41311	0.00000	0.73187	-0.69876	0.69761	-0.99618	-0.17754	126.22
	2.4219	26.12789	36.80389	0.00000	0.61958	-0.59998	0.58499	-0.85014	-0.14531	126.22
	2.9063	25.84167	37.19467	0.00000	0.50751	-0.49792	0.47973	-0.70158	-0.11521	126.22
	3.3907	25.55544	37.58544	0.00000	0.39565	-0.39289	0.37904	-0.55075	-0.087032	126.22
	3.8751	25.26922	37.97622	0.00000	0.28397	-0.28517	0.27957	-0.39786	-0.060589	126.22
	4.3595	24.98300	38.36700	0.00000	0.17247	-0.17501	0.17746	-0.24310	-0.035726	126.22
D2	Line 40	24.98300	38.36700	0.00000	0.17247	-0.17501	0.17746	-0.035685	0.24310	216.23
	0.49046	24.58738	38.07712	0.00000	0.14903	-0.14366	0.15166	-0.035307	0.20396	216.23
	0.98091	24.19175	37.78725	0.00000	0.12175	-0.11135	0.12311	-0.032401	0.16178	216.23
	1.4714	23.79613	37.49737	0.00000	0.090662	-0.078560	0.091751	-0.026701	0.11695	216.23
	1.9618	23.40050	37.20750	0.00000	0.055789	-0.045741	0.057476	-0.017967	0.069870	216.23
	2.4523	23.00488	36.91763	0.00000	0.017181	-0.013311	0.020048	-0.0059922	0.020892	216.23
	2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
D3	Line 41	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
D4	Line 42	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0	0.0	35.945

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
D5	Line 43	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	2.2088	34.17057	46.39429	0.00000	0.023759	-0.031594	0.032453	0.039529	311.92E-6	306.49
	2.6505	34.43329	46.03914	0.00000	0.12332	-0.16399	0.14781	0.20518	0.0016190	306.49
	3.0923	34.69600	45.68400	0.00000	0.22288	-0.29638	0.25615	0.37082	0.0029261	306.49
D6	Line 44	34.69600	45.68400	0.00000	0.22288	-0.29638	0.25615	-0.0029723	0.37082	216.48
	0.38681	34.38500	45.45400	0.00000	0.22219	-0.29545	0.25540	-0.0029630	0.36966	216.48
	0.77362	34.07400	45.22400	0.00000	0.22149	-0.29452	0.25466	-0.0029537	0.36850	216.48
	1.1604	33.76300	44.99400	0.00000	0.22079	-0.29359	0.25391	-0.0029444	0.36733	216.48
D7	Line 45	33.76300	44.99400	0.00000	0.22079	-0.29359	0.25391	0.36733	0.0035984	306.38
	0.45636	34.03370	44.62660	0.00000	0.32364	-0.43036	0.36255	0.53845	0.0052747	306.38
	0.91271	34.30440	44.25920	0.00000	0.42649	-0.56713	0.47148	0.70956	0.0069510	306.38
	1.3691	34.57510	43.89180	0.00000	0.52934	-0.70389	0.58406	0.88068	0.0086273	306.38
	1.8254	34.84580	43.52440	0.00000	0.63220	-0.84066	0.70323	1.0518	0.010304	306.38
	2.2818	35.11650	43.15700	0.00000	0.73505	-0.97743	0.83149	1.2229	0.011980	306.38
	2.7381	35.38720	42.78960	0.00000	0.83790	-1.1142	0.97090	1.3940	0.013656	306.38
	3.1945	35.65790	42.42220	0.00000	0.96031	-1.2770	1.1231	1.5977	0.015651	306.38
	3.6509	35.92860	42.05480	0.00000	1.1116	-1.4781	1.2893	1.8493	0.018116	306.38
	4.1072	36.19930	41.68740	0.00000	1.2631	-1.6796	1.4703	2.1015	0.020586	306.38
	4.5636	36.47000	41.32000	0.00000	1.4152	-1.8819	1.6665	2.3545	0.023065	306.38
D8	Line 46	36.47000	41.32000	0.00000	1.4152	-1.8819	1.6665	-0.039523	2.3543	215.98
	0.47879	36.08257	41.03870	0.00000	1.4125	-1.8783	1.6629	-0.039448	2.3498	215.98
	0.95758	35.69513	40.75739	0.00000	1.4098	-1.8747	1.6593	-0.039373	2.3454	215.98
	1.4364	35.30770	40.47609	0.00000	1.4072	-1.8712	1.6557	-0.039298	2.3409	215.98
	1.9152	34.92026	40.19478	0.00000	1.4045	-1.8676	1.6521	-0.039223	2.3364	215.98
	2.3939	34.53283	39.91348	0.00000	1.4018	-1.8640	1.6486	-0.039148	2.3320	215.98
	2.8727	34.14539	39.63217	0.00000	1.3991	-1.8604	1.6450	-0.039074	2.3275	215.98
	3.3515	33.75796	39.35087	0.00000	1.3964	-1.8569	1.6415	-0.038999	2.3230	215.98
	3.8303	33.37052	39.06957	0.00000	1.3937	-1.8533	1.6379	-0.038924	2.3186	215.98
	4.3091	32.98309	38.78826	0.00000	1.3911	-1.8497	1.6344	-0.038849	2.3141	215.98
	4.7879	32.59565	38.50696	0.00000	1.3884	-1.8462	1.6308	-0.038774	2.3096	215.98
	5.2667	32.20822	38.22565	0.00000	1.3857	-1.8426	1.6273	-0.038699	2.3052	215.98
	5.7455	31.82078	37.94435	0.00000	1.3830	-1.8390	1.6237	-0.038624	2.3007	215.98
	6.2242	31.43335	37.66304	0.00000	1.3803	-1.8355	1.6202	-0.038549	2.2963	215.98
	6.7030	31.04591	37.38174	0.00000	1.3776	-1.8319	1.6167	-0.038474	2.2918	215.98
	7.1818	30.65848	37.10043	0.00000	1.3750	-1.8283	1.6132	-0.038399	2.2873	215.98
	7.6606	30.27104	36.81913	0.00000	1.3723	-1.8248	1.6097	-0.038324	2.2829	215.98
	8.1394	29.88361	36.53783	0.00000	1.3696	-1.8210	1.6061	-0.038387	2.2783	215.98
	8.6182	29.49617	36.25652	0.00000	1.3705	-1.7257	1.5669	-0.095146	2.2017	215.98
	9.0970	29.10874	35.97522	0.00000	1.3643	-1.6228	1.5190	-0.15054	2.1148	215.98
	9.5758	28.72130	35.69391	0.00000	1.3511	-1.5142	1.4633	-0.20369	2.0191	215.98
	10.055	28.33387	35.41261	0.00000	1.3310	-1.4013	1.4006	-0.25378	1.9159	215.98
	10.533	27.94643	35.13130	0.00000	1.3043	-1.2857	1.3320	-0.30005	1.8067	215.98
	11.012	27.55900	34.85000	0.00000	1.2712	-1.1690	1.2583	-0.34181	1.6928	215.98

Specific Building Damage Results - Horizontal Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.57700	22.24700	0.00000	2.1473	1.6148	2.6855	-0.078803
0.47829	29.95067	22.54556	0.00000	2.2906	1.7225	2.8647	-0.084061
0.95658	30.32433	22.84411	0.00000	2.4339	1.8303	3.0439	-0.089319
1.4349	30.69800	23.14267	0.00000	2.5771	1.9380	3.2232	-0.094578
1.9132	31.07167	23.44122	0.00000	2.7204	2.0458	3.4024	-0.099836
2.3915	31.44533	23.73978	0.00000	2.8637	2.1536	3.5816	-0.10509
2.8697	31.81900	24.03833	0.00000	3.0158	2.2679	3.7718	-0.11068
3.3480	32.19267	24.33689	0.00000	3.2865	2.4715	4.1103	-0.12061
3.8263	32.56633	24.63544	0.00000	3.5571	2.6750	4.4488	-0.13054
4.3046	32.94000	24.93400	0.00000	3.8278	2.8785	4.7873	-0.14047

Structure: A | Sub-structure: A2

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94000	24.93400	0.00000	3.8278	2.8785	0.14016	4.7873
0.41896	33.20150	24.60667	0.00000	3.8347	2.8838	0.14041	4.7960
0.83792	33.46300	24.27933	0.00000	3.8416	2.8890	0.14066	4.8046
1.2569	33.72450	23.95200	0.00000	3.8486	2.8942	0.14092	4.8133
1.6758	33.98600	23.62467	0.00000	3.8555	2.8994	0.14117	4.8220
2.0948	34.24750	23.29733	0.00000	3.8625	2.9046	0.14143	4.8307
2.5138	34.50900	22.97000	0.00000	3.8694	2.9098	0.14168	4.8394

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.50900	22.97000	0.00000	3.8694	2.9098	4.8394	-0.14199
0.47280	34.87837	23.26512	0.00000	4.1369	3.1110	5.1740	-0.15181
0.94559	35.24775	23.56025	0.00000	4.4045	3.3122	5.5086	-0.16163
1.4184	35.61713	23.85537	0.00000	4.6720	3.5134	5.8432	-0.17144
1.8912	35.98650	24.15050	0.00000	4.9396	3.7146	6.1778	-0.18126
2.3640	36.35587	24.44563	0.00000	5.2071	3.9158	6.5124	-0.19108
2.8368	36.72525	24.74075	0.00000	5.4747	4.1170	6.8470	-0.20090
3.3096	37.09463	25.03588	0.00000	5.7422	4.3182	7.1816	-0.21071
3.7824	37.46400	25.33100	0.00000	6.0098	4.5194	7.5162	-0.22053

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.46400	25.33100	0.00000	6.0098	4.5194	-0.086077	7.5190
0.48725	37.75238	24.93825	0.00000	6.0066	4.5171	-0.086032	7.5150
0.97450	38.04075	24.54550	0.00000	6.0034	4.5147	-0.085986	7.5111
1.4618	38.32912	24.15275	0.00000	6.0003	4.5123	-0.085941	7.5071
1.9490	38.61750	23.76000	0.00000	5.9971	4.5099	-0.085896	7.5032
2.4363	38.90588	23.36725	0.00000	5.9940	4.5076	-0.085851	7.4992
2.9235	39.19425	22.97450	0.00000	5.9908	4.5052	-0.085805	7.4953
3.4108	39.48262	22.58175	0.00000	5.9877	4.5028	-0.085760	7.4913
3.8980	39.77100	22.18900	0.00000	5.9845	4.5004	-0.085715	7.4874

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.77100	22.18900	0.00000	5.9845	4.5004	-7.4859	0.17274

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
0.49935	39.37894	21.87975	0.00000	5.7019	4.2879	-7.1323	0.16458
0.99870	38.98687	21.57050	0.00000	5.4193	4.0754	-6.7788	0.15642
1.4980	38.59481	21.26125	0.00000	5.1366	3.8628	-6.4253	0.14826
1.9974	38.20275	20.95200	0.00000	4.8540	3.6503	-6.0718	0.14011
2.4967	37.81069	20.64275	0.00000	4.5714	3.4378	-5.7183	0.13195
2.9961	37.41862	20.33350	0.00000	4.2888	3.2252	-5.3648	0.12379
3.4954	37.02656	20.02425	0.00000	4.0062	3.0127	-5.0112	0.11563
3.9948	36.63450	19.71500	0.00000	3.7236	2.8002	-4.6577	0.10748
4.4941	36.24244	19.40575	0.00000	3.4410	2.5877	-4.3042	0.099320
4.9935	35.85038	19.09650	0.00000	3.1583	2.3751	-3.9507	0.091163
5.4928	35.45831	18.78725	0.00000	2.9328	2.2055	-3.6686	0.084654
5.9922	35.06625	18.47800	0.00000	2.7832	2.0930	-3.4815	0.080335
6.4915	34.67419	18.16875	0.00000	2.6336	1.9805	-3.2943	0.076016
6.9909	34.28213	17.85950	0.00000	2.4840	1.8680	-3.1072	0.071698
7.4902	33.89006	17.55025	0.00000	2.3344	1.7555	-2.9200	0.067379
7.9896	33.49800	17.24100	0.00000	2.1847	1.6430	-2.7328	0.063061

Structure: A | Sub-structure: A6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.49800	17.24100	0.00000	2.1847	1.6430	-0.053741	-2.7330
0.48914	33.19638	17.62608	0.00000	2.1819	1.6408	-0.053670	-2.7294
0.97828	32.89477	18.01115	0.00000	2.1790	1.6386	-0.053599	-2.7258
1.4674	32.59315	18.39623	0.00000	2.1761	1.6365	-0.053528	-2.7222
1.9566	32.29154	18.78131	0.00000	2.1732	1.6343	-0.053457	-2.7186
2.4457	31.98992	19.16638	0.00000	2.1703	1.6321	-0.053386	-2.7150
2.9348	31.68831	19.55146	0.00000	2.1675	1.6300	-0.053315	-2.7114
3.4240	31.38669	19.93654	0.00000	2.1646	1.6278	-0.053244	-2.7078
3.9131	31.08508	20.32162	0.00000	2.1617	1.6256	-0.053173	-2.7042
4.4022	30.78346	20.70669	0.00000	2.1588	1.6235	-0.053102	-2.7006
4.8914	30.48185	21.09177	0.00000	2.1559	1.6213	-0.053032	-2.6970
5.3805	30.18023	21.47685	0.00000	2.1530	1.6191	-0.052961	-2.6934
5.8697	29.87862	21.86192	0.00000	2.1502	1.6170	-0.052890	-2.6898
6.3588	29.57700	22.24700	0.00000	2.1473	1.6148	-0.052819	-2.6862

Structure: B | Sub-structure: B1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0
0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0
0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0
1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0
1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0
2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0
2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0
3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0
3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0
0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0
0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0
0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0
0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0
1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0
1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0
2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0
2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0
3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0
3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0
4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0
4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0
5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0
0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0
0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0
1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0
0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0
0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0
1.4688	29.01377	11.66323	0.00000	0.10586	0.079609	0.13245	736.68E-6
1.9584	29.40669	11.95531	0.00000	0.25259	0.18995	0.31604	0.0017578
2.4479	29.79962	12.24738	0.00000	0.39933	0.30030	0.49963	0.0027789
2.9375	30.19254	12.53946	0.00000	0.54606	0.41064	0.68322	0.0038000
3.4271	30.58546	12.83154	0.00000	0.69279	0.52099	0.86681	0.0048211
3.9167	30.97838	13.12362	0.00000	0.83952	0.63133	1.0504	0.0058422
4.4063	31.37131	13.41569	0.00000	0.98626	0.74168	1.2340	0.0068633
4.8959	31.76423	13.70777	0.00000	1.1330	0.85202	1.4176	0.0078844
5.3855	32.15715	13.99985	0.00000	1.2797	0.96237	1.6012	0.0089055
5.8751	32.55008	14.29192	0.00000	1.4265	1.0727	1.7848	0.0099266
6.3647	32.94300	14.58400	0.00000	1.5732	1.1831	1.9684	0.010948

Structure: B | Sub-structure: B6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal	Horizontal

							displacement along the Line	displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]		[mm]	[mm]
0.0	32.94300	14.58400	0.00000	1.5732	1.1831		0.0095366	-1.9684
0.35614	32.73033	14.86967	0.00000	1.5737	1.1834		0.0095398	-1.9690
0.71227	32.51767	15.15533	0.00000	1.5742	1.1838		0.0095429	-1.9697
1.0684	32.30500	15.44100	0.00000	1.5747	1.1842		0.0095460	-1.9703

Structure: B | Sub-structure: B7

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.30500	15.44100	0.00000	1.5747	1.1842	1.9701	0.027957
0.36690	32.60133	15.65733	0.00000	1.6847	1.2669	2.1077	0.029909
0.73379	32.89767	15.87367	0.00000	1.7946	1.3496	2.2452	0.031861
1.1007	33.19400	16.09000	0.00000	1.9046	1.4323	2.3828	0.033813

Structure: B | Sub-structure: B8

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.19400	16.09000	0.00000	1.9046	1.4323	690.00E-6	-2.3830
0.48246	32.90414	16.47568	0.00000	1.9046	1.4323	690.02E-6	-2.3831
0.96493	32.61427	16.86136	0.00000	1.9047	1.4323	690.04E-6	-2.3831
1.4474	32.32441	17.24705	0.00000	1.9047	1.4324	690.05E-6	-2.3832
1.9299	32.03455	17.63273	0.00000	1.9048	1.4324	690.07E-6	-2.3833
2.4123	31.74468	18.01841	0.00000	1.9048	1.4324	690.08E-6	-2.3833
2.8948	31.45482	18.40409	0.00000	1.9048	1.4325	690.10E-6	-2.3834
3.3772	31.16495	18.78977	0.00000	1.9049	1.4325	690.11E-6	-2.3834
3.8597	30.87509	19.17545	0.00000	1.9049	1.4325	690.13E-6	-2.3835
4.3422	30.58523	19.56114	0.00000	1.9050	1.4326	690.14E-6	-2.3835
4.8246	30.29536	19.94682	0.00000	1.9050	1.4326	690.16E-6	-2.3836
5.3071	30.00550	20.33250	0.00000	1.9051	1.4326	690.17E-6	-2.3836
5.7896	29.71564	20.71818	0.00000	1.9051	1.4327	690.19E-6	-2.3837
6.2720	29.42577	21.10386	0.00000	1.9051	1.4327	690.20E-6	-2.3837
6.7545	29.13591	21.48955	0.00000	1.9052	1.4327	690.22E-6	-2.3838
7.2370	28.84605	21.87523	0.00000	1.9052	1.4328	690.23E-6	-2.3838
7.7194	28.55618	22.26091	0.00000	1.9053	1.4328	690.25E-6	-2.3839
8.2019	28.26632	22.64659	0.00000	1.8953	1.3181	-0.085044	-2.3070
8.6843	27.97645	23.03227	0.00000	1.8779	1.1954	-0.17264	-2.2193
9.1668	27.68659	23.41795	0.00000	1.8532	1.0714	-0.25691	-2.1251
9.6493	27.39673	23.80364	0.00000	1.8214	0.94823	-0.33625	-2.0257
10.132	27.10686	24.18932	0.00000	1.7825	0.82775	-0.40924	-1.9223
10.614	26.81700	24.57500	0.00000	1.7369	0.71168	-0.47459	-1.8160

Structure: B | Sub-structure: B9

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.81700	24.57500	0.00000	1.7369	0.71168	-1.8075	0.50628
0.43274	26.47567	24.30900	0.00000	1.6123	0.69447	-1.6986	0.44327
0.86548	26.13433	24.04300	0.00000	1.4874	0.67081	-1.5856	0.38517
1.2982	25.79300	23.77700	0.00000	1.3623	0.64145	-1.4688	0.33140
1.7310	25.45167	23.51100	0.00000	1.2368	0.60699	-1.3487	0.28148
2.1637	25.11033	23.24500	0.00000	1.1132	0.56522	-1.2255	0.23845
2.5964	24.76900	22.97900	0.00000	0.99359	0.51369	-1.0995	0.20556

Structure: B | Sub-structure: B10

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.76900	22.97900	0.00000	0.99359	0.51369	0.18305	1.1034
0.43530	25.02950	22.63025	0.00000	1.0251	0.56721	0.15905	1.1607
0.87060	25.29000	22.28150	0.00000	1.0528	0.62078	0.13267	1.2149
1.3059	25.55050	21.93275	0.00000	1.0763	0.67380	0.10429	1.2656
1.7412	25.81100	21.58400	0.00000	1.0957	0.72563	0.074338	1.3121

Structure: B | Sub-structure: B11

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	25.81100	21.58400	0.00000	1.0957	0.72563	-1.3104	0.099997
0.47915	25.43280	21.28980	0.00000	0.95543	0.63660	-1.1450	0.084156
0.95831	25.05460	20.99560	0.00000	0.81492	0.54603	-0.97848	0.069375
1.4375	24.67640	20.70140	0.00000	0.67417	0.45406	-0.81092	0.055543
1.9166	24.29820	20.40720	0.00000	0.53320	0.36085	-0.64242	0.042566
2.3958	23.92000	20.11300	0.00000	0.39204	0.26650	-0.47307	0.030361

Structure: B | Sub-structure: B12

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.92000	20.11300	0.00000	0.39204	0.26650	0.030327	0.47307
0.47317	24.21050	19.73950	0.00000	0.40417	0.28795	0.020846	0.49581
0.94635	24.50100	19.36600	0.00000	0.41185	0.30678	0.010696	0.51344

Structure: B | Sub-structure: B13

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.50100	19.36600	0.00000	0.41185	0.30678	-0.51349	0.0073141
0.45943	24.13650	19.08633	0.00000	0.27435	0.20450	-0.34215	0.0047608
0.91886	23.77200	18.80667	0.00000	0.13683	0.10206	-0.17068	0.0023221
1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0
1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0
2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0
2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates			Displacements

x [m]	y [m]	z [m]	x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	22.31400	17.68800	0.00000	0.0	0.0	0.0
0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0
0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0
1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0
1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0
2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0

Structure: B | Sub-structure: B15

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0
0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0
0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0
1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0
1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0
2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0
2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0
3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0
3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0
4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B16

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0
0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0
0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0
1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0
1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0
2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0
2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0
3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0
3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0
4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B17

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0
0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0
0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0
1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0
1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B18

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0
0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0
0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0
1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B19

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0
0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0
0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0
1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0
1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0
2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B20

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0
0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0
0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0
1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0
1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0
2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0
2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0
3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0
3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0
4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0
4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0
5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	36.28600	29.95000	0.00000	4.8497	-6.4489	-8.0679	0.13300
0.45629	36.00578	30.31011	0.00000	4.6409	-6.1713	-7.7205	0.12727
0.91259	35.72556	30.67022	0.00000	4.4371	-5.9003	-7.3815	0.12168
1.3689	35.44533	31.03033	0.00000	4.2381	-5.6356	-7.0504	0.11623
1.8252	35.16511	31.39044	0.00000	4.0436	-5.3770	-6.7269	0.11089
2.2815	34.88489	31.75056	0.00000	3.8535	-5.1242	-6.4106	0.10568
2.7378	34.60467	32.11067	0.00000	3.6674	-4.8768	-6.1011	0.10058
3.1941	34.32444	32.47078	0.00000	3.4853	-4.6345	-5.7980	0.095579
3.6504	34.04422	32.83089	0.00000	3.3067	-4.3971	-5.5010	0.090683
4.1066	33.76400	33.19100	0.00000	3.1316	-4.1643	-5.2097	0.085881

Structure: C | Sub-structure: C2

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76400	33.19100	0.00000	3.1316	-4.1643	-0.16936	5.2076
0.48792	33.36471	32.91057	0.00000	3.1256	-4.1563	-0.16903	5.1976
0.97585	32.96543	32.63014	0.00000	3.1196	-4.1482	-0.16871	5.1876
1.4638	32.56614	32.34971	0.00000	3.1126	-3.8578	-0.32992	4.9459
1.9517	32.16686	32.06929	0.00000	3.0900	-3.4752	-0.53135	4.6199
2.4396	31.76757	31.78886	0.00000	3.0498	-3.0957	-0.71652	4.2862
2.9275	31.36829	31.50843	0.00000	2.9917	-2.7292	-0.87967	3.9529
3.4155	30.96900	31.22800	0.00000	2.9264	-2.3761	-1.0292	3.6263

Structure: C | Sub-structure: C3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.96900	31.22800	0.00000	2.9264	-2.3761	-3.6264	-1.0289
0.48944	30.68767	31.62850	0.00000	2.7669	-2.3460	-3.5101	-0.91562
0.97887	30.40633	32.02900	0.00000	2.6066	-2.2910	-3.3730	-0.81608
1.4683	30.12500	32.42950	0.00000	2.4461	-2.2159	-3.2193	-0.72790
1.9577	29.84367	32.83000	0.00000	2.2857	-2.1244	-3.0522	-0.64925
2.4472	29.56233	33.23050	0.00000	2.1256	-2.0193	-2.8742	-0.57865
2.9366	29.28100	33.63100	0.00000	1.9659	-1.9029	-2.6872	-0.51488

Structure: C | Sub-structure: C4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.28100	33.63100	0.00000	1.9659	-1.9029	0.42810	-2.7023
0.48464	29.66840	33.92220	0.00000	1.9963	-2.0846	0.34317	-2.8658
0.96928	30.05580	34.21340	0.00000	2.0182	-2.2646	0.25254	-3.0229
1.4539	30.44320	34.50460	0.00000	2.0313	-2.4400	0.15764	-3.1710
1.9386	30.83060	34.79580	0.00000	2.0353	-2.6078	0.060026	-3.3075
2.4232	31.21800	35.08700	0.00000	2.0333	-2.7038	746.40E-6	-3.3830

Structure: C | Sub-structure: C5

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.21800	35.08700	0.00000	2.0333	-2.7038	-1.3675	-3.0943
0.42208	31.42400	35.45540	0.00000	1.9746	-2.6257	-1.3281	-3.0050
0.84417	31.63000	35.82380	0.00000	1.9161	-2.5480	-1.2887	-2.9160
1.2663	31.83600	36.19220	0.00000	1.8579	-2.4705	-1.2495	-2.8273
1.6883	32.04200	36.56060	0.00000	1.7998	-2.3933	-1.2105	-2.7389
2.1104	32.24800	36.92900	0.00000	1.7419	-2.3163	-1.1716	-2.6509

Structure: C | Sub-structure: C6

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.24800	36.92900	0.00000	1.7419	-2.3163	0.030263	-2.8980
0.46414	32.62185	37.20408	0.00000	1.7436	-2.3185	0.030291	-2.9008
0.92829	32.99569	37.47915	0.00000	1.7452	-2.3207	0.030320	-2.9035
1.3924	33.36954	37.75423	0.00000	1.7468	-2.3229	0.030348	-2.9062
1.8566	33.74338	38.02931	0.00000	1.7485	-2.3250	0.030377	-2.9090
2.3207	34.11723	38.30438	0.00000	1.7501	-2.3272	0.030405	-2.9117
2.7849	34.49108	38.57946	0.00000	1.7518	-2.3294	0.030434	-2.9144
3.2490	34.86492	38.85454	0.00000	1.7534	-2.3316	0.030463	-2.9172
3.7131	35.23877	39.12962	0.00000	1.7551	-2.3338	0.030491	-2.9199
4.1773	35.61262	39.40469	0.00000	1.7567	-2.3360	0.030520	-2.9226
4.6414	35.98646	39.67977	0.00000	1.7583	-2.3382	0.030548	-2.9254
5.1056	36.36031	39.95485	0.00000	1.7600	-2.3403	0.030577	-2.9281
5.5697	36.73415	40.22992	0.00000	1.7616	-2.3425	0.030605	-2.9308
6.0339	37.10800	40.50500	0.00000	1.7633	-2.3447	0.030634	-2.9336

Structure: C | Sub-structure: C7

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.10800	40.50500	0.00000	1.7633	-2.3447	2.9336	0.028936
0.44342	37.37100	40.14800	0.00000	1.9143	-2.5455	3.1848	0.031414

Structure: C | Sub-structure: C8

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.37100	40.14800	0.00000	1.9143	-2.5455	0.032820	-3.1848
0.49716	37.77140	40.44270	0.00000	1.9160	-2.5478	0.032850	-3.1877
0.99432	38.17180	40.73740	0.00000	1.9178	-2.5502	0.032880	-3.1906
1.4915	38.57220	41.03210	0.00000	1.9195	-2.5525	0.032910	-3.1935
1.9886	38.97260	41.32680	0.00000	1.9213	-2.5548	0.032940	-3.1965
2.4858	39.37300	41.62150	0.00000	1.9230	-2.5571	0.032970	-3.1994
2.9830	39.77340	41.91620	0.00000	1.9248	-2.5595	0.033000	-3.2023
3.4801	40.17380	42.21090	0.00000	1.9265	-2.5618	0.033031	-3.2052
3.9773	40.57420	42.50560	0.00000	1.9283	-2.5641	0.033061	-3.2081
4.4744	40.97460	42.80030	0.00000	1.9301	-2.5665	0.033091	-3.2110
4.9716	41.37500	43.09500	0.00000	1.9318	-2.5688	0.033121	-3.2140

Structure: C | Sub-structure: C9

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.37500	43.09500	0.00000	1.9318	-2.5688	3.2140	0.033371
0.43642	41.63367	42.74350	0.00000	2.0820	-2.7685	3.4638	0.035965
0.87284	41.89233	42.39200	0.00000	2.2337	-2.9703	3.7163	0.038587
1.3093	42.15100	42.04050	0.00000	2.3873	-3.1745	3.9717	0.041240

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
1.7457	42.40967	41.68900	0.00000	2.5428	-3.3813	4.2305	0.043926
2.1821	42.66833	41.33750	0.00000	2.7006	-3.5911	4.4929	0.046651
2.6185	42.92700	40.98600	0.00000	2.8607	-3.8040	4.7593	0.049417

Structure: C | Sub-structure: C10

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.92700	40.98600	0.00000	2.8607	-3.8040	-0.048940	4.7593
0.41162	42.59550	40.74200	0.00000	2.8591	-3.8019	-0.048914	4.7567
0.82323	42.26400	40.49800	0.00000	2.8575	-3.7998	-0.048887	4.7541

Structure: C | Sub-structure: C11

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.26400	40.49800	0.00000	2.8575	-3.7998	4.7541	0.050028
0.49410	42.55680	40.10000	0.00000	3.0419	-4.0450	5.0608	0.053255
0.98820	42.84960	39.70200	0.00000	3.2299	-4.2949	5.3736	0.056546
1.4823	43.14240	39.30400	0.00000	3.4217	-4.5500	5.6927	0.059905
1.9764	43.43520	38.90600	0.00000	3.6177	-4.8107	6.0189	0.063337
2.4705	43.72800	38.50800	0.00000	3.8182	-5.0773	6.3524	0.066847
2.9646	44.02080	38.11000	0.00000	4.0235	-5.3502	6.6939	0.070440
3.4587	44.31360	37.71200	0.00000	4.2338	-5.6299	7.0438	0.074122
3.9528	44.60640	37.31400	0.00000	4.4494	-5.9166	7.4025	0.077897
4.4469	44.89920	36.91600	0.00000	4.6707	-6.2108	7.7706	0.081770
4.9410	45.19200	36.51800	0.00000	4.8978	-6.5129	8.1486	0.085747

Structure: C | Sub-structure: C12

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	45.19200	36.51800	0.00000	4.8978	-6.5129	-0.076228	8.1487
0.48113	44.80478	36.23243	0.00000	4.8957	-6.5101	-0.076196	8.1452
0.96226	44.41757	35.94687	0.00000	4.8936	-6.5073	-0.076163	8.1417
1.4434	44.03035	35.66130	0.00000	4.8915	-6.5045	-0.076130	8.1382
1.9245	43.64313	35.37574	0.00000	4.8895	-6.5017	-0.076098	8.1347
2.4056	43.25591	35.09017	0.00000	4.8874	-6.4989	-0.076065	8.1312
2.8868	42.86870	34.80461	0.00000	4.8853	-6.4962	-0.076033	8.1277
3.3679	42.48148	34.51904	0.00000	4.8832	-6.4934	-0.076000	8.1243
3.8490	42.09426	34.23348	0.00000	4.8811	-6.4906	-0.075967	8.1208
4.3302	41.70704	33.94791	0.00000	4.8790	-6.4878	-0.075935	8.1173
4.8113	41.31983	33.66235	0.00000	4.8769	-6.4850	-0.075902	8.1138
5.2924	40.93261	33.37678	0.00000	4.8748	-6.4822	-0.075870	8.1103
5.7735	40.54539	33.09122	0.00000	4.8727	-6.4795	-0.075837	8.1069
6.2547	40.15817	32.80565	0.00000	4.8706	-6.4767	-0.075805	8.1034
6.7358	39.77096	32.52009	0.00000	4.8685	-6.4739	-0.075772	8.0999
7.2169	39.38374	32.23452	0.00000	4.8664	-6.4711	-0.075740	8.0964
7.6981	38.99652	31.94896	0.00000	4.8644	-6.4684	-0.075707	8.0929
8.1792	38.60930	31.66339	0.00000	4.8623	-6.4656	-0.075675	8.0895
8.6603	38.22209	31.37783	0.00000	4.8602	-6.4628	-0.075642	8.0860
9.1414	37.83487	31.09226	0.00000	4.8581	-6.4600	-0.075610	8.0825
9.6226	37.44765	30.80670	0.00000	4.8560	-6.4572	-0.075577	8.0790
10.104	37.06043	30.52113	0.00000	4.8539	-6.4545	-0.075545	8.0756
10.585	36.67322	30.23557	0.00000	4.8518	-6.4517	-0.075512	8.0721
11.066	36.28600	29.95000	0.00000	4.8497	-6.4489	-0.075480	8.0686

Structure: D | Sub-structure: D1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.55900	34.85000	0.00000	1.2712	-1.1690	-1.6942	-0.33477
0.48439	27.27278	35.24078	0.00000	1.1167	-1.0331	-1.4933	-0.29045
0.96877	26.98656	35.63156	0.00000	0.96197	-0.89125	-1.2874	-0.24943
1.4532	26.70033	36.02233	0.00000	0.84441	-0.79389	-1.1394	-0.21212
1.9375	26.41411	36.41311	0.00000	0.73187	-0.69876	-0.99618	-0.17754
2.4219	26.12789	36.80389	0.00000	0.61958	-0.59998	-0.85014	-0.14531
2.9063	25.84167	37.19467	0.00000	0.50751	-0.49792	-0.70158	-0.11521
3.3907	25.55544	37.58544	0.00000	0.39565	-0.39289	-0.55075	-0.087032
3.8751	25.26922	37.97622	0.00000	0.28397	-0.28517	-0.39786	-0.060589
4.3595	24.98300	38.36700	0.00000	0.17247	-0.17501	-0.24310	-0.035726

Structure: D | Sub-structure: D2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.98300	38.36700	0.00000	0.17247	-0.17501	-0.035685	0.24310
0.49046	24.58738	38.07712	0.00000	0.14903	-0.14366	-0.035307	0.20396
0.98091	24.19175	37.78725	0.00000	0.12175	-0.11135	-0.032401	0.16178
1.4714	23.79613	37.49737	0.00000	0.090662	-0.078560	-0.026701	0.11695
1.9618	23.40050	37.20750	0.00000	0.055789	-0.045741	-0.017967	0.069870
2.4523	23.00488	36.91763	0.00000	0.017181	-0.013311	-0.0059922	0.020892
2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0
3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0
3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0
0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0
0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0
1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0
1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0
2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0
2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0
3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
0.0	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0
0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0
0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0
1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0
1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0
2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0
2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0
3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0
3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0
4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0
4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0
5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0
5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0
6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0
6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0
7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0
7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0
8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0
8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0
9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0
9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0
10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0
10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0
11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0
11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0
12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0
12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0
13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0
13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0
14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0
14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0
15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0
15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0
16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0
0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0
0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0
1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0
1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0
2.2088	34.17057	46.39429	0.00000	0.023759	-0.031594	0.039529	311.92E-6
2.6505	34.43329	46.03914	0.00000	0.12332	-0.16399	0.20518	0.0016190
3.0923	34.69600	45.68400	0.00000	0.22288	-0.29638	0.37082	0.0029261

Structure: D | Sub-structure: D6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.69600	45.68400	0.00000	0.22288	-0.29638	-0.0029723	0.37082
0.38681	34.38500	45.45400	0.00000	0.22219	-0.29545	-0.0029630	0.36966
0.77362	34.07400	45.22400	0.00000	0.22149	-0.29452	-0.0029537	0.36850
1.1604	33.76300	44.99400	0.00000	0.22079	-0.29359	-0.0029444	0.36733

Structure: D | Sub-structure: D7

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76300	44.99400	0.00000	0.22079	-0.29359	0.36733	0.0035984
0.45636	34.03370	44.62660	0.00000	0.32364	-0.43036	0.53845	0.0052747
0.91271	34.30440	44.25920	0.00000	0.42649	-0.56713	0.70956	0.0069510
1.3691	34.57510	43.89180	0.00000	0.52934	-0.70389	0.88068	0.0086273
1.8254	34.84580	43.52440	0.00000	0.63220	-0.84066	1.0518	0.010304
2.2818	35.11650	43.15700	0.00000	0.73505	-0.97743	1.2229	0.011980
2.7381	35.38720	42.78960	0.00000	0.83790	-1.1142	1.3940	0.013656
3.1945	35.65790	42.42220	0.00000	0.96031	-1.2770	1.5977	0.015651
3.6509	35.92860	42.05480	0.00000	1.1116	-1.4781	1.8493	0.018116
4.1072	36.19930	41.68740	0.00000	1.2631	-1.6796	2.1015	0.020586
4.5636	36.47000	41.32000	0.00000	1.4152	-1.8819	2.3545	0.023065

Structure: D | Sub-structure: D8

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.47000	41.32000	0.00000	1.4152	-1.8819	-0.039523	2.3543
0.47879	36.08257	41.03870	0.00000	1.4125	-1.8783	-0.039448	2.3498
0.95758	35.69513	40.75739	0.00000	1.4098	-1.8747	-0.039373	2.3454
1.4364	35.30770	40.47609	0.00000	1.4072	-1.8712	-0.039298	2.3409
1.9152	34.92026	40.19478	0.00000	1.4045	-1.8676	-0.039223	2.3364
2.3939	34.53283	39.91348	0.00000	1.4018	-1.8640	-0.039148	2.3320
2.8727	34.14539	39.63217	0.00000	1.3991	-1.8604	-0.039074	2.3275
3.3515	33.75796	39.35087	0.00000	1.3964	-1.8569	-0.038999	2.3230
3.8303	33.37052	39.06957	0.00000	1.3937	-1.8533	-0.038924	2.3186
4.3091	32.98309	38.78826	0.00000	1.3911	-1.8497	-0.038849	2.3141
4.7879	32.59565	38.50696	0.00000	1.3884	-1.8462	-0.038774	2.3096
5.2667	32.20822	38.22565	0.00000	1.3857	-1.8426	-0.038699	2.3052
5.7455	31.82078	37.94435	0.00000	1.3830	-1.8390	-0.038624	2.3007
6.2242	31.43335	37.66304	0.00000	1.3803	-1.8355	-0.038549	2.2963
6.7030	31.04591	37.38174	0.00000	1.3776	-1.8319	-0.038474	2.2918
7.1818	30.65848	37.10043	0.00000	1.3750	-1.8283	-0.038399	2.2873
7.6606	30.27104	36.81913	0.00000	1.3723	-1.8248	-0.038324	2.2829
8.1394	29.88361	36.53783	0.00000	1.3696	-1.8210	-0.038387	2.2783
8.6182	29.49617	36.25652	0.00000	1.3705	-1.7257	-0.095146	2.2017
9.0970	29.10874	35.97522	0.00000	1.3643	-1.6228	-0.15054	2.1148
9.5758	28.72130	35.69391	0.00000	1.3511	-1.5142	-0.20369	2.0191
10.055	28.33387	35.41261	0.00000	1.3310	-1.4013	-0.25378	1.9159
10.533	27.94643	35.13130	0.00000	1.3043	-1.2857	-0.30005	1.8067
11.012	27.55900	34.85000	0.00000	1.2712	-1.1690	-0.34181	1.6928

Specific Building Damage Results - Vertical Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	29.57700	22.24700	0.00000	1.0476
0.47829	29.95067	22.54556	0.00000	1.2221
0.95658	30.32433	22.84411	0.00000	1.4066
1.4349	30.69800	23.14267	0.00000	1.5983
1.9132	31.07167	23.44122	0.00000	1.7937
2.3915	31.44533	23.73978	0.00000	1.9889

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
2.8697	31.81900	24.03833	0.00000	2.1820
3.3480	32.19267	24.33689	0.00000	2.3869
3.8263	32.56633	24.63544	0.00000	2.5775
4.3046	32.94000	24.93400	0.00000	2.7603

Structure: A | Sub-structure: A2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.94000	24.93400	0.00000	2.7603
0.41896	33.20150	24.60667	0.00000	2.7649
0.83792	33.46300	24.27933	0.00000	2.7695
1.2569	33.72450	23.95200	0.00000	2.7741
1.6758	33.98600	23.62467	0.00000	2.7787
2.0948	34.24750	23.29733	0.00000	2.7833
2.5138	34.50900	22.97000	0.00000	2.7879

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.50900	22.97000	0.00000	2.7879
0.47280	34.87837	23.26512	0.00000	2.9635
0.94559	35.24775	23.56025	0.00000	3.1350
1.4184	35.61713	23.85537	0.00000	3.2995
1.8912	35.98650	24.15050	0.00000	3.4515
2.3640	36.35587	24.44563	0.00000	3.5825
2.8368	36.72525	24.74075	0.00000	3.6814
3.3096	37.09463	25.03588	0.00000	3.7341
3.7824	37.46400	25.33100	0.00000	3.7238

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	37.46400	25.33100	0.00000	3.7238
0.48725	37.75238	24.93825	0.00000	3.7244
0.97450	38.04075	24.54550	0.00000	3.7249
1.4618	38.32912	24.15275	0.00000	3.7255
1.9490	38.61750	23.76000	0.00000	3.7260
2.4363	38.90588	23.36725	0.00000	3.7265
2.9235	39.19425	22.97450	0.00000	3.7270
3.4108	39.48262	22.58175	0.00000	3.7275
3.8980	39.77100	22.18900	0.00000	3.7280

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	39.77100	22.18900	0.00000	3.7280
0.49935	39.37894	21.87975	0.00000	3.7298
0.99870	38.98687	21.57050	0.00000	3.6642
1.4980	38.59481	21.26125	0.00000	3.5506
1.9974	38.20275	20.95200	0.00000	3.4047
2.4967	37.81069	20.64275	0.00000	3.2387
2.9961	37.41862	20.33350	0.00000	3.0615
3.4954	37.02656	20.02425	0.00000	2.8782
3.9948	36.63450	19.71500	0.00000	2.6906
4.4941	36.24244	19.40575	0.00000	2.4970
4.9935	35.85038	19.09650	0.00000	2.2922
5.4928	35.45831	18.78725	0.00000	2.0818
5.9922	35.06625	18.47800	0.00000	1.8795
6.4915	34.67419	18.16875	0.00000	1.6750
6.9909	34.28213	17.85950	0.00000	1.4730
7.4902	33.89006	17.55025	0.00000	1.2776
7.9896	33.49800	17.24100	0.00000	1.0921

Structure: A | Sub-structure: A6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	33.49800	17.24100	0.00000	1.0921
0.48914	33.19638	17.62608	0.00000	1.0887
0.97828	32.89477	18.01115	0.00000	1.0852
1.4674	32.59315	18.39623	0.00000	1.0818
1.9566	32.29154	18.78131	0.00000	1.0783
2.4457	31.98992	19.16638	0.00000	1.0749
2.9348	31.68831	19.55146	0.00000	1.0715
3.4240	31.38669	19.93654	0.00000	1.0681
3.9131	31.08508	20.32162	0.00000	1.0646
4.4022	30.78346	20.70669	0.00000	1.0612
4.8914	30.48185	21.09177	0.00000	1.0578
5.3805	30.18023	21.47685	0.00000	1.0544
5.8697	29.87862	21.86192	0.00000	1.0510
6.3588	29.57700	22.24700	0.00000	1.0476

Structure: B | Sub-structure: B1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.51600	5.45800	0.00000	0.0
0.48720	20.90600	5.75000	0.00000	0.0
0.97440	21.29600	6.04200	0.00000	0.0
1.4616	21.68600	6.33400	0.00000	0.0
1.9488	22.07600	6.62600	0.00000	0.0
2.4360	22.46600	6.91800	0.00000	0.0
2.9232	22.85600	7.21000	0.00000	0.0
3.4104	23.24600	7.50200	0.00000	0.0
3.8976	23.63600	7.79400	0.00000	0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.63600	7.79400	0.00000	0.0
0.46125	23.35400	8.15900	0.00000	0.0
0.92249	23.07200	8.52400	0.00000	0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.07200	8.52400	0.00000	0.0
0.46917	23.44545	8.80800	0.00000	0.0
0.93835	23.81891	9.09200	0.00000	0.0
1.4075	24.19236	9.37600	0.00000	0.0
1.8767	24.56582	9.66000	0.00000	0.0
2.3459	24.93927	9.94400	0.00000	0.0
2.8150	25.31273	10.22800	0.00000	0.0
3.2842	25.68618	10.51200	0.00000	0.0
3.7534	26.05964	10.79600	0.00000	0.0
4.2226	26.43309	11.08000	0.00000	0.0
4.6917	26.80655	11.36400	0.00000	0.0
5.1609	27.18000	11.64800	0.00000	0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.18000	11.64800	0.00000	0.0
0.36061	27.39833	11.36100	0.00000	0.0
0.72122	27.61667	11.07400	0.00000	0.0
1.0818	27.83500	10.78700	0.00000	0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.83500	10.78700	0.00000	0.0
0.48959	28.22792	11.07908	0.00000	0.0
0.97918	28.62085	11.37115	0.00000	0.0
1.4688	29.01377	11.66323	0.00000	0.027621
1.9584	29.40669	11.95531	0.00000	0.052290
2.4479	29.79962	12.24738	0.00000	0.071524
2.9375	30.19254	12.53946	0.00000	0.090144
3.4271	30.58546	12.83154	0.00000	0.11240
3.9167	30.97838	13.12362	0.00000	0.14198
4.4063	31.37131	13.41569	0.00000	0.18199
4.8959	31.76423	13.70777	0.00000	0.23496
5.3855	32.15715	13.99985	0.00000	0.30288
5.8751	32.55008	14.29192	0.00000	0.38715
6.3647	32.94300	14.58400	0.00000	0.48858

Structure: B | Sub-structure: B6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.94300	14.58400	0.00000	0.48858
0.35614	32.73033	14.86967	0.00000	0.48897
0.71227	32.51767	15.15533	0.00000	0.48936
1.0684	32.30500	15.44100	0.00000	0.48975

Structure: B | Sub-structure: B7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.30500	15.44100	0.00000	0.48975
0.36690	32.60133	15.65733	0.00000	0.57734
0.73379	32.89767	15.87367	0.00000	0.67462
1.1007	33.19400	16.09000	0.00000	0.78132

Structure: B | Sub-structure: B8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.19400	16.09000	0.00000	0.78132
0.48246	32.90414	16.47568	0.00000	0.78137
0.96493	32.61427	16.86136	0.00000	0.78141
1.4474	32.32441	17.24705	0.00000	0.78145
1.9299	32.03455	17.63273	0.00000	0.78149
2.4123	31.74468	18.01841	0.00000	0.78153
2.8948	31.45482	18.40409	0.00000	0.78158
3.3772	31.16495	18.78977	0.00000	0.78162
3.8597	30.87509	19.17545	0.00000	0.78166
4.3422	30.58523	19.56114	0.00000	0.78170
4.8246	30.29536	19.94682	0.00000	0.78175
5.3071	30.00550	20.33250	0.00000	0.78179
5.7896	29.71564	20.71818	0.00000	0.78183
6.2720	29.42577	21.10386	0.00000	0.78187
6.7545	29.13591	21.48955	0.00000	0.78192
7.2370	28.84605	21.87523	0.00000	0.78196
7.7194	28.55618	22.26091	0.00000	0.78200
8.2019	28.26632	22.64659	0.00000	0.81748
8.6843	27.97645	23.03227	0.00000	0.84669
9.1668	27.68659	23.41795	0.00000	0.86764
9.6493	27.39673	23.80364	0.00000	0.88014
10.132	27.10686	24.18932	0.00000	0.88419
10.614	26.81700	24.57500	0.00000	0.88001

Structure: B | Sub-structure: B9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	26.81700	24.57500	0.00000	0.88001
0.43274	26.47567	24.30900	0.00000	0.74852
0.86548	26.13433	24.04300	0.00000	0.63096
1.2982	25.79300	23.77700	0.00000	0.52735
1.7310	25.45167	23.51100	0.00000	0.43742
2.1637	25.11033	23.24500	0.00000	0.36062
2.5964	24.76900	22.97900	0.00000	0.29605

Structure: B | Sub-structure: B10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.76900	22.97900	0.00000	0.29605
0.43530	25.02950	22.63025	0.00000	0.29275
0.87060	25.29000	22.28150	0.00000	0.28700

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
1.3059	25.55050	21.93275	0.00000	0.27877
1.7412	25.81100	21.58400	0.00000	0.26813

Structure: B | Sub-structure: B11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	25.81100	21.58400	0.00000	0.26813
0.47915	25.43280	21.28980	0.00000	0.21138
0.95831	25.05460	20.99560	0.00000	0.16722
1.4375	24.67640	20.70140	0.00000	0.13321
1.9166	24.29820	20.40720	0.00000	0.10638
2.3958	23.92000	20.11300	0.00000	0.083249

Structure: B | Sub-structure: B12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.92000	20.11300	0.00000	0.083249
0.47317	24.21050	19.73950	0.00000	0.079256
0.94635	24.50100	19.36600	0.00000	0.074384

Structure: B | Sub-structure: B13

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.50100	19.36600	0.00000	0.074384
0.45943	24.13650	19.08633	0.00000	0.056177
0.91886	23.77200	18.80667	0.00000	0.033922
1.3783	23.40750	18.52700	0.00000	0.0
1.8377	23.04300	18.24733	0.00000	0.0
2.2971	22.67850	17.96767	0.00000	0.0
2.7566	22.31400	17.68800	0.00000	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	22.31400	17.68800	0.00000	0.0
0.44350	22.04420	18.04000	0.00000	0.0
0.88701	21.77440	18.39200	0.00000	0.0
1.3305	21.50460	18.74400	0.00000	0.0
1.7740	21.23480	19.09600	0.00000	0.0
2.2175	20.96500	19.44800	0.00000	0.0

Structure: B | Sub-structure: B15

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.96500	19.44800	0.00000	0.0
0.49138	20.57211	19.15289	0.00000	0.0
0.98276	20.17922	18.85778	0.00000	0.0
1.4741	19.78633	18.56267	0.00000	0.0
1.9655	19.39344	18.26756	0.00000	0.0
2.4569	19.00056	17.97244	0.00000	0.0
2.9483	18.60767	17.67733	0.00000	0.0
3.4396	18.21478	17.38222	0.00000	0.0
3.9310	17.82189	17.08711	0.00000	0.0
4.4224	17.42900	16.79200	0.00000	0.0

Structure: B | Sub-structure: B16

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	17.42900	16.79200	0.00000	0.0
0.49346	17.71689	16.39122	0.00000	0.0
0.98692	18.00478	15.99044	0.00000	0.0
1.4804	18.29267	15.58967	0.00000	0.0
1.9738	18.58056	15.18889	0.00000	0.0
2.4673	18.86844	14.78811	0.00000	0.0
2.9608	19.15633	14.38733	0.00000	0.0
3.4542	19.44422	13.98656	0.00000	0.0
3.9477	19.73211	13.58578	0.00000	0.0
4.4411	20.02000	13.18500	0.00000	0.0

Structure: B | Sub-structure: B17

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.02000	13.18500	0.00000	0.0
0.48838	19.64200	12.87575	0.00000	0.0
0.97677	19.26400	12.56650	0.00000	0.0
1.4652	18.88600	12.25725	0.00000	0.0
1.9535	18.50800	11.94800	0.00000	0.0

Structure: B | Sub-structure: B18

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	18.50800	11.94800	0.00000	0.0
0.43983	18.77567	11.59900	0.00000	0.0
0.87965	19.04333	11.25000	0.00000	0.0
1.3195	19.31100	10.90100	0.00000	0.0

Structure: B | Sub-structure: B19

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.31100	10.90100	0.00000	0.0
0.47300	18.93320	10.61640	0.00000	0.0
0.94600	18.55540	10.33180	0.00000	0.0
1.4190	18.17760	10.04720	0.00000	0.0
1.8920	17.79980	9.76260	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
2.3650	17.42200	9.47800	0.00000	0.0

Structure: B | Sub-structure: B20

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	17.42200	9.47800	0.00000	0.0
0.46116	17.70327	9.11255	0.00000	0.0
0.92233	17.98455	8.74709	0.00000	0.0
1.3835	18.26582	8.38164	0.00000	0.0
1.8447	18.54709	8.01618	0.00000	0.0
2.3058	18.82836	7.65073	0.00000	0.0
2.7670	19.10964	7.28527	0.00000	0.0
3.2281	19.39091	6.91982	0.00000	0.0
3.6893	19.67218	6.55436	0.00000	0.0
4.1505	19.95345	6.18891	0.00000	0.0
4.6116	20.23473	5.82345	0.00000	0.0
5.0728	20.51600	5.45800	0.00000	0.0

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.28600	29.95000	0.00000	5.5333
0.45629	36.00578	30.31011	0.00000	5.6003
0.91259	35.72556	30.67022	0.00000	5.6019
1.3689	35.44533	31.03033	0.00000	5.5461
1.8252	35.16511	31.39044	0.00000	5.4406
2.2815	34.88489	31.75056	0.00000	5.2928
2.7378	34.60467	32.11067	0.00000	5.1094
3.1941	34.32444	32.47078	0.00000	4.8968
3.6504	34.04422	32.83089	0.00000	4.6610
4.1066	33.76400	33.19100	0.00000	4.4074

Structure: C | Sub-structure: C2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.76400	33.19100	0.00000	4.4074
0.48792	33.36471	32.91057	0.00000	4.3984
0.97585	32.96543	32.63014	0.00000	4.3893
1.4638	32.56614	32.34971	0.00000	4.2864
1.9517	32.16686	32.06929	0.00000	4.1366
2.4396	31.76757	31.78886	0.00000	3.9685
2.9275	31.36829	31.50843	0.00000	3.7846
3.4155	30.96900	31.22800	0.00000	3.5895

Structure: C | Sub-structure: C3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	30.96900	31.22800	0.00000	3.5895
0.48944	30.68767	31.62850	0.00000	3.3763
0.97887	30.40633	32.02900	0.00000	3.1496
1.4683	30.12500	32.42950	0.00000	2.9148
1.9577	29.84367	32.83000	0.00000	2.6769
2.4472	29.56233	33.23050	0.00000	2.4401
2.9366	29.28100	33.63100	0.00000	2.2082

Structure: C | Sub-structure: C4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	29.28100	33.63100	0.00000	2.2082
0.48464	29.66840	33.92220	0.00000	2.3135
0.96928	30.05580	34.21340	0.00000	2.4081
1.4539	30.44320	34.50460	0.00000	2.4906
1.9386	30.83060	34.79580	0.00000	2.5596
2.4232	31.21800	35.08700	0.00000	2.5940

Structure: C | Sub-structure: C5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	31.21800	35.08700	0.00000	2.5940
0.42208	31.42400	35.45540	0.00000	2.4986
0.84417	31.63000	35.82380	0.00000	2.4048
1.2663	31.83600	36.19220	0.00000	2.3127
1.6883	32.04200	36.56060	0.00000	2.2222
2.1104	32.24800	36.92900	0.00000	2.1336

Structure: C | Sub-structure: C6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.24800	36.92900	0.00000	2.1336
0.46414	32.62185	37.20408	0.00000	2.1361
0.92829	32.99569	37.47915	0.00000	2.1386
1.3924	33.36954	37.75423	0.00000	2.1411
1.8566	33.74338	38.02931	0.00000	2.1436
2.3207	34.11723	38.30438	0.00000	2.1461
2.7849	34.49108	38.57946	0.00000	2.1486
3.2490	34.86492	38.85454	0.00000	2.1511
3.7131	35.23877	39.12962	0.00000	2.1536
4.1773	35.61262	39.40469	0.00000	2.1561
4.6414	35.98646	39.67977	0.00000	2.1586
5.1056	36.36031	39.95485	0.00000	2.1611
5.5697	36.73415	40.22992	0.00000	2.1636
6.0339	37.10800	40.50500	0.00000	2.1661

Structure: C | Sub-structure: C7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.10800	40.50500	0.00000	2.1661
0.44342	37.37100	40.14800	0.00000	2.4018

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]

Structure: C | Sub-structure: C8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.37100	40.14800	0.00000	2.4018
0.49716	37.77140	40.44270	0.00000	2.4046
0.99432	38.17180	40.73740	0.00000	2.4074
1.4915	38.57220	41.03210	0.00000	2.4102
1.9886	38.97260	41.32680	0.00000	2.4130
2.4858	39.37300	41.62150	0.00000	2.4158
2.9830	39.77340	41.91620	0.00000	2.4186
3.4801	40.17380	42.21090	0.00000	2.4214
3.9773	40.57420	42.50560	0.00000	2.4242
4.4744	40.97460	42.80030	0.00000	2.4270
4.9716	41.37500	43.09500	0.00000	2.4298

Structure: C | Sub-structure: C9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	41.37500	43.09500	0.00000	2.4298
0.43642	41.63367	42.74350	0.00000	2.6739
0.87284	41.89233	42.39200	0.00000	2.9269
1.3093	42.15100	42.04050	0.00000	3.1868
1.7457	42.40967	41.68900	0.00000	3.4512
2.1821	42.66833	41.33750	0.00000	3.7173
2.6185	42.92700	40.98600	0.00000	3.9819

Structure: C | Sub-structure: C10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	42.92700	40.98600	0.00000	3.9819
0.41162	42.59550	40.74200	0.00000	3.9794
0.82323	42.26400	40.49800	0.00000	3.9768

Structure: C | Sub-structure: C11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	42.26400	40.49800	0.00000	3.9768
0.49410	42.55680	40.10000	0.00000	4.2704
0.98820	42.84960	39.70200	0.00000	4.5521
1.4823	43.14240	39.30400	0.00000	4.8158
1.9764	43.43520	38.90600	0.00000	5.0545
2.4705	43.72800	38.50800	0.00000	5.2609
2.9646	44.02080	38.11000	0.00000	5.4270
3.4587	44.31360	37.71200	0.00000	5.5443
3.9528	44.60640	37.31400	0.00000	5.6035
4.4469	44.89920	36.91600	0.00000	5.5949
4.9410	45.19200	36.51800	0.00000	5.5082

Structure: C | Sub-structure: C12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	45.19200	36.51800	0.00000	5.5082
0.48113	44.80478	36.23243	0.00000	5.5093
0.96226	44.41757	35.94687	0.00000	5.5105
1.4434	44.03035	35.66130	0.00000	5.5117
1.9245	43.64313	35.37574	0.00000	5.5128
2.4056	43.25591	35.09017	0.00000	5.5140
2.8868	42.86870	34.80461	0.00000	5.5151
3.3679	42.48148	34.51904	0.00000	5.5162
3.8490	42.09426	34.23348	0.00000	5.5174
4.3302	41.70704	33.94791	0.00000	5.5185
4.8113	41.31983	33.66235	0.00000	5.5196
5.2924	40.93261	33.37678	0.00000	5.5207
5.7735	40.54539	33.09122	0.00000	5.5218
6.2547	40.15817	32.80565	0.00000	5.5229
6.7358	39.77096	32.52009	0.00000	5.5239
7.2169	39.38374	32.23452	0.00000	5.5250
7.6981	38.99652	31.94896	0.00000	5.5261
8.1792	38.60930	31.66339	0.00000	5.5271
8.6603	38.22209	31.37783	0.00000	5.5282
9.1414	37.83487	31.09226	0.00000	5.5292
9.6226	37.44765	30.80670	0.00000	5.5303
10.104	37.06043	30.52113	0.00000	5.5313
10.585	36.67322	30.23557	0.00000	5.5323
11.066	36.28600	29.95000	0.00000	5.5333

Structure: D | Sub-structure: D1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.55900	34.85000	0.00000	1.2583
0.48439	27.27278	35.24078	0.00000	1.0993
0.96877	26.98656	35.63156	0.00000	0.95337
1.4532	26.70033	36.02233	0.00000	0.81985
1.9375	26.41411	36.41311	0.00000	0.69761
2.4219	26.12789	36.80389	0.00000	0.58499
2.9063	25.84167	37.19467	0.00000	0.47973
3.3907	25.55544	37.58544	0.00000	0.37904
3.8751	25.26922	37.97622	0.00000	0.27957
4.3595	24.98300	38.36700	0.00000	0.17746

Structure: D | Sub-structure: D2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.98300	38.36700	0.00000	0.17746
0.49046	24.58738	38.07712	0.00000	0.15166
0.98091	24.19175	37.78725	0.00000	0.12311
1.4714	23.79613	37.49737	0.00000	0.091751
1.9618	23.40050	37.20750	0.00000	0.057476
2.4523	23.00488	36.91763	0.00000	0.020048
2.9427	22.60925	36.62775	0.00000	0.0
3.4332	22.21363	36.33788	0.00000	0.0
3.9236	21.81800	36.04800	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]

Structure: D | Sub-structure: D3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	21.81800	36.04800	0.00000	0.0
0.47627	21.54300	36.43686	0.00000	0.0
0.95254	21.26800	36.82571	0.00000	0.0
1.4288	20.99300	37.21457	0.00000	0.0
1.9051	20.71800	37.60343	0.00000	0.0
2.3814	20.44300	37.99229	0.00000	0.0
2.8576	20.16800	38.38114	0.00000	0.0
3.3339	19.89300	38.77000	0.00000	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.89300	38.77000	0.00000	0.0
0.48525	20.28585	39.05485	0.00000	0.0
0.97050	20.67870	39.33970	0.00000	0.0
1.4558	21.07155	39.62455	0.00000	0.0
1.9410	21.46439	39.90939	0.00000	0.0
2.4263	21.85724	40.19424	0.00000	0.0
2.9115	22.25009	40.47909	0.00000	0.0
3.3968	22.64294	40.76394	0.00000	0.0
3.8820	23.03579	41.04879	0.00000	0.0
4.3673	23.42864	41.33364	0.00000	0.0
4.8525	23.82148	41.61848	0.00000	0.0
5.3378	24.21433	41.90333	0.00000	0.0
5.8230	24.60718	42.18818	0.00000	0.0
6.3083	25.00003	42.47303	0.00000	0.0
6.7935	25.39288	42.75788	0.00000	0.0
7.2788	25.78573	43.04273	0.00000	0.0
7.7640	26.17858	43.32758	0.00000	0.0
8.2493	26.57142	43.61242	0.00000	0.0
8.7345	26.96427	43.89727	0.00000	0.0
9.2198	27.35712	44.18212	0.00000	0.0
9.7050	27.74997	44.46697	0.00000	0.0
10.190	28.14282	44.75182	0.00000	0.0
10.676	28.53567	45.03667	0.00000	0.0
11.161	28.92852	45.32152	0.00000	0.0
11.646	29.32136	45.60636	0.00000	0.0
12.131	29.71421	45.89121	0.00000	0.0
12.617	30.10706	46.17606	0.00000	0.0
13.102	30.49991	46.46091	0.00000	0.0
13.587	30.89276	46.74576	0.00000	0.0
14.072	31.28561	47.03061	0.00000	0.0
14.558	31.67845	47.31545	0.00000	0.0
15.043	32.07130	47.60030	0.00000	0.0
15.528	32.46415	47.88515	0.00000	0.0
16.013	32.85700	48.17000	0.00000	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.85700	48.17000	0.00000	0.0
0.44175	33.11971	47.81486	0.00000	0.0
0.88350	33.38243	47.45971	0.00000	0.0
1.3253	33.64514	47.10457	0.00000	0.0
1.7670	33.90786	46.74943	0.00000	0.0
2.2088	34.17057	46.39429	0.00000	0.032453
2.6505	34.43329	46.03914	0.00000	0.14781
3.0923	34.69600	45.68400	0.00000	0.25615

Structure: D | Sub-structure: D6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	34.69600	45.68400	0.00000	0.25615
0.38681	34.38500	45.45400	0.00000	0.25540
0.77362	34.07400	45.22400	0.00000	0.25466
1.1604	33.76300	44.99400	0.00000	0.25391

Structure: D | Sub-structure: D7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.76300	44.99400	0.00000	0.25391
0.45636	34.03370	44.62660	0.00000	0.36255
0.91271	34.30440	44.25920	0.00000	0.47148
1.3691	34.57510	43.89180	0.00000	0.58406
1.8254	34.84580	43.52440	0.00000	0.70323
2.2818	35.11650	43.15700	0.00000	0.83149
2.7381	35.38720	42.78960	0.00000	0.97090
3.1945	35.65790	42.42220	0.00000	1.1231
3.6509	35.92860	42.05480	0.00000	1.2893
4.1072	36.19930	41.68740	0.00000	1.4703
4.5636	36.47000	41.32000	0.00000	1.6665

Structure: D | Sub-structure: D8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.47000	41.32000	0.00000	1.6665
0.47879	36.08257	41.03870	0.00000	1.6629
0.95758	35.69513	40.75739	0.00000	1.6593
1.4364	35.30770	40.47609	0.00000	1.6557
1.9152	34.92026	40.19478	0.00000	1.6521
2.3939	34.53283	39.91348	0.00000	1.6486
2.8727	34.14539	39.63217	0.00000	1.6450
3.3515	33.75796	39.35087	0.00000	1.6415
3.8303	33.37052	39.06957	0.00000	1.6379
4.3091	32.98309	38.78826	0.00000	1.6344
4.7879	32.59565	38.50696	0.00000	1.6308
5.2667	32.20822	38.22565	0.00000	1.6273
5.7455	31.82078	37.94435	0.00000	1.6237
6.2242	31.43335	37.66304	0.00000	1.6202
6.7030	31.04591	37.38174	0.00000	1.6167
7.1818	30.65848	37.10043	0.00000	1.6132
7.6606	30.27104	36.81913	0.00000	1.6097
8.1394	29.88361	36.53783	0.00000	1.6061
8.6182	29.49617	36.25652	0.00000	1.5669
9.0970	29.10874	35.97522	0.00000	1.5190
9.5758	28.72130	35.69391	0.00000	1.4633
10.055	28.33387	35.41261	0.00000	1.4006
10.533	27.94643	35.13130	0.00000	1.3320

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
11.012	27.55900	34.85000	0.00000	1.2583

Specific Building Damage Results - All Segments

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.9765	Hogging	679.78E-6	0.039032	0.039287	-707.22E-6	-428.06E-6	21309.	0 (Negligible)
	2	2.9765	1.3275	Sagging	765.52E-6	0.070772	0.071030	-707.22E-6	-428.06E-6	24208.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5130	Sagging	0.0	60.661E-6	60.976E-6	0.0	-11.024E-6	62.875E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.7820	Sagging	0.0055329	0.070772	0.075642	-707.22E-6	-371.15E-6	3330.0	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.8980	Sagging	2.3210E-6	9.2819E-6	11.408E-6	0.0	-1.1527E-6	20.736E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	5.3094	Sagging	0.0050231	0.069944	0.075639	-707.46E-6	421.10E-6	3463.5	2 (Slight)
	2	5.3094	2.6796	Hogging	621.08E-6	0.038781	0.038992	-564.56E-6	421.10E-6	22891.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.3580	Hogging	1.6235E-6	14.493E-6	15.700E-6	0.0	7.0605E-6	47.668E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	3.4271	2.9369	Hogging	0.0022243	0.037499	0.038324	-374.85E-6	-207.11E-6	13788.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.0680	Hogging	0.0	0.0	0.0	0.0	-1.0917E-6	583.71E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1000	Hogging	872.13E-6	0.037492	0.037615	-374.78E-6	-290.72E-6	13791.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.3559	Hogging	492.19E-6	-0.0013606	382.05E-6	181.60E-6	-73.542E-6	14954.	0 (Negligible)
	2	8.3559	2.2581	Sagging	0.0010109	-0.016011	0.0032517	181.60E-6	-60.555E-6	27692.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5960	Hogging	0.0023289	0.027267	0.028033	-291.14E-6	303.76E-6	13452.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7410	Sagging	280.40E-6	-0.0062433	0.0012587	68.805E-6	24.461E-6	77021.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.9166	Hogging	0.0010408	0.034850	0.035104	-353.31E-6	118.39E-6	17396.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.1060	Sagging	0.0099207	0.069600	0.078925	-760.70E-6	555.29E-6	3091.0	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.24381	Hogging	0.0	66.820E-6	66.841E-6	0.0	18.586E-6	10152.	0 (Negligible)
	2	0.24381	3.1712	Sagging	0.0061897	-0.027114	0.0064177	412.99E-6	400.05E-6	4062.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.8434	Sagging	821.00E-6	0.029032	0.029411	-341.27E-6	485.91E-6	16039.	0 (Negligible)
	2	1.8434	1.0926	Hogging	252.39E-6	0.036964	0.036999	-382.02E-6	485.91E-6	41826.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.4230	Sagging	0.0020977	-0.017636	0.0037171	201.45E-6	-217.31E-6	5907.9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.1100	Hogging	242.87E-6	0.0092863	0.0093515	-93.523E-6	225.95E-6	97019.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	6.0330	Hogging	0.0	6.1482E-6	6.5446E-6	0.0	-5.4060E-6	141.77E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C7

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.44300	None	0.0	0.056654	0.056654	-566.22E-6	-531.25E-6	-	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	4.9710	Hogging	0.0	6.0466E-6	6.2585E-6	0.0	-5.6420E-6	165.37E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	2.0541	Hogging	817.88E-6	0.058518	0.058732	-600.94E-6	-609.32E-6	20145.	1 (Very Slight)
	2	2.0541	0.56386	Sagging	57.757E-6	0.060835	0.060843	-610.04E-6	-609.32E-6	85388.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.82300	Sagging	0.0	6.5044E-6	6.5446E-6	0.0	6.1932E-6	368.65E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	4.9410	Sagging	0.010737	0.068699	0.080287	-764.30E-6	-593.83E-6	3028.2	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	11.065	Sagging	4.3493E-6	6.7646E-6	13.340E-6	0.0	-2.4425E-6	31.354E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.5812	Hogging	0.0018336	0.033608	0.034431	-424.81E-6	328.12E-6	17809.	0 (Negligible)
	2	3.5812	0.77779	Sagging	127.70E-6	0.031804	0.031829	-319.39E-6	210.75E-6	64655.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.98091	Sagging	139.57E-6	334.75E-6	377.98E-6	-11.623E-6	63.930E-6	85308.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations [m]	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	2.6505	0.15184	Hogging	0.0	0.037498	0.037498	-374.84E-6	-261.03E-6	12633.	0 (Negligible)
	2	2.8024	0.28964	Sagging	0.0	0.037498	0.037498	-374.84E-6	-245.16E-6	6623.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1600	Sagging	0.0	2.4091E-6	2.3961E-6	0.0	1.9269E-6	941.46E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.14812	None	0.0	0.037496	0.037496	-374.82E-6	-237.96E-6	382150.	0 (Negligible)
	2	0.14812	4.4149	Hogging	0.0028538	0.043746	0.045307	-554.16E-6	-429.54E-6	13687.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.8230	Hogging	1.7463E-6	15.649E-6	17.059E-6	0.0	7.4881E-6	48.792E+6	0 (Negligible)
	2	6.8230	4.1890	Sagging	0.0024876	-0.0072416	0.0019786	118.56E-6	153.76E-6	11534.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	765.52E-6	0.070772	-428.06E-6	2.7600	0.071030	-707.22E-6	-428.06E-6	21309.	24208.	1 (Very Slight)

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	60.661E-6	-11.024E-6	2.7879	60.976E-6	0.0	-11.024E-6	-	62.875E+6	0 (Negligible)

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0055329	0.070772	-371.15E-6	3.7338	0.075642	-707.22E-6	-371.15E-6	-	3330.0	2 (Slight)

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	2.3210E-6	9.2819E-6	-1.1527E-6	3.7280	11.408E-6	0.0	-1.1527E-6	-	20.736E+6	0 (Negligible)

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0050231	0.069944	421.10E-6	3.7297	0.075639	-707.46E-6	421.10E-6	22891.	3463.5	2 (Slight)

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.6235E-6	14.493E-6	7.0605E-6	1.0921	15.700E-6	0.0	7.0605E-6	47.668E+6	-	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: B | Sub-structure: B1										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
Structure: B | Sub-structure: B2										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
Structure: B | Sub-structure: B3										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
Structure: B | Sub-structure: B4										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
Structure: B | Sub-structure: B5										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	0.0022243	0.037499	-207.11E-6	0.48845	0.038324	-374.85E-6	-207.11E-6	13788.	- 0 (Negligible)
Structure: B | Sub-structure: B6										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	0.0	0.0	-1.0917E-6	0.48975	0.0	0.0	-1.0917E-6	583.71E+6	- 0 (Negligible)
Structure: B | Sub-structure: B7										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	872.13E-6	0.037492	-290.72E-6	0.78112	0.037615	-374.78E-6	-290.72E-6	13791.	- 0 (Negligible)
Structure: B | Sub-structure: B8										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	0.0010109	-0.016011	-73.542E-6	0.88416	0.0032517	181.60E-6	-73.542E-6	14954.	27692. 0 (Negligible)
Structure: B | Sub-structure: B9										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	0.0023289	0.027267	303.76E-6	0.88001	0.028033	-291.14E-6	303.76E-6	13452.	- 0 (Negligible)
Structure: B | Sub-structure: B10										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	280.40E-6	-0.0062433	24.461E-6	0.29605	0.0012587	68.805E-6	24.461E-6	-	77021. 0 (Negligible)
Structure: B | Sub-structure: B11										
Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
	[m]	[%]	[%]	[mm]	[%]			[m]	[m]	
	0.0	0.0010408	0.034850	118.39E-6	0.26813	0.035104	-353.31E-6	118.39E-6	17396.	- 0 (Negligible)
Structure: B | Sub-structure: B12										
Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category

Calculations
[m] [%] [%] [mm] [%] [m] [m]

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0099207	0.069600	555.29E-6	5.6019	0.078925	-760.70E-6	555.29E-6	-	3091.0	2 (Slight)

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0061897	-0.027114	400.05E-6	4.4074	0.0064177	412.99E-6	400.05E-6	10152.	4062.1	0 (Negligible)

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	821.00E-6	0.036964	485.91E-6	3.5895	0.036999	-382.02E-6	485.91E-6	41826.	16039.	0 (Negligible)

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category

Calculations

[m]	[%]	[%]	[mm]	[%]		[m]	[m]	
0.0	0.0020977	-0.017636	-217.31E-6	2.5940	0.0037171	201.45E-6	-217.31E-6	- 5907.9 0 (Negligible)

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	242.87E-6	0.0092863	225.95E-6	2.5940	0.0093515	-93.523E-6	225.95E-6	97019.	-	0 (Negligible)

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	6.1482E-6	-5.4060E-6	2.1661	6.5446E-6	0.0	-5.4060E-6	141.77E+6	-	0 (Negligible)

Structure: C | Sub-structure: C7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.056654	-531.25E-6	2.4016	0.056654	-566.22E-6	-531.25E-6	-	-	1 (Very Slight)

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	6.0466E-6	-5.6420E-6	2.4298	6.2585E-6	0.0	-5.6420E-6	165.37E+6	-	0 (Negligible)

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	817.88E-6	0.060835	-609.32E-6	3.9816	0.060843	-610.04E-6	-609.32E-6	20145.	85388.	1 (Very Slight)

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	6.5044E-6	6.1932E-6	3.9819	6.5446E-6	0.0	6.1932E-6	-	368.65E+6	0 (Negligible)

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010737	0.068699	-593.83E-6	5.6028	0.080287	-764.30E-6	-593.83E-6	-	3028.2	2 (Slight)

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	4.3493E-6	6.7646E-6	-2.4425E-6	5.5333	13.340E-6	0.0	-2.4425E-6	-	31.354E+6	0 (Negligible)

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0018336	0.033608	328.12E-6	1.2583	0.034431	-424.81E-6	328.12E-6	17809.	64655.	0 (Negligible)

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	139.57E-6	334.75E-6	63.930E-6	0.17746	377.98E-6	-11.623E-6	63.930E-6	-	85308.	0 (Negligible)

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D4										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D5										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.037498	-261.03E-6	0.25608	0.037498	-374.84E-6	-261.03E-6	12633.	6623.1	0 (Negligible)
Structure: D | Sub-structure: D6										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	2.4091E-6	1.9269E-6	0.25615	2.3961E-6	0.0	1.9269E-6	-	941.46E+6	0 (Negligible)
Structure: D | Sub-structure: D7										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0028538	0.043746	-429.54E-6	1.6662	0.045307	-554.16E-6	-429.54E-6	13687.	-	0 (Negligible)
Structure: D | Sub-structure: D8										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0024876	-0.0072416	153.76E-6	1.6665	0.0019786	118.56E-6	153.76E-6	48.792E+6	11534.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
A	Max Slope	A1	1	0.0	2.9765	Hogging	**428.06E-6**	2.2277	0.039287	21309.	-	0 (Negligible)
	Max Settlement	A3	1	0.0	3.7820	Sagging	371.15E-6	**3.7338**	0.075642	-	3330.0	2 (Slight)
	Max Tensile Strain	A3	1	0.0	3.7820	Sagging	371.15E-6	3.7338	**0.075642**	-	3330.0	2 (Slight)
	Min Radius of Curvature (Hogging)	A1	1	0.0	2.9765	Hogging	428.06E-6	2.2277	0.039287	**21309.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	A3	1	0.0	3.7820	Sagging	371.15E-6	3.7338	0.075642	-	**3330.0**	2 (Slight)
B	Max Slope	B9	1	0.0	2.5960	Hogging	**303.76E-6**	0.88001	0.028033	13452.	-	0 (Negligible)
	Max Settlement	B8	2	8.3559	10.614	Sagging	60.555E-6	**0.88416**	0.0032517	-	27692.	0 (Negligible)
	Max Tensile Strain	B5	1	3.4271	6.3640	Hogging	207.11E-6	0.48845	**0.038324**	13788.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	B9	1	0.0	2.5960	Hogging	303.76E-6	0.88001	0.028033	**13452.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	B8	2	8.3559	10.614	Sagging	60.555E-6	0.88416	0.0032517	-	**27692.**	0 (Negligible)
C	Max Slope	C9	1	0.0	2.0541	Hogging	**609.32E-6**	3.6393	0.058732	20145.	-	1 (Very Slight)
	Max Settlement	C11	1	0.0	4.9410	Sagging	593.83E-6	**5.6028**	0.080287	-	3028.2	2 (Slight)
	Max Tensile Strain	C11	1	0.0	4.9410	Sagging	593.83E-6	5.6028	**0.080287**	-	3028.2	2 (Slight)
	Min Radius of Curvature (Hogging)	C2	1	0.0	0.24381	Hogging	18.586E-6	4.4074	66.841E-6	**10152.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	C11	1	0.0	4.9410	Sagging	593.83E-6	5.6028	0.080287	-	**3028.2**	2 (Slight)
D	Max Slope	D7	2	0.14812	4.5630	Hogging	**429.54E-6**	1.6662	0.045307	13687.	-	0 (Negligible)
	Max Settlement	D8	1	0.0	6.8230	Hogging	7.4881E-6	**1.6665**	17.059E-6	48.792E+6	-	0 (Negligible)
	Max Tensile Strain	D7	2	0.14812	4.5630	Hogging	429.54E-6	1.6662	**0.045307**	13687.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	D5	1	2.6505	2.8024	Hogging	261.03E-6	0.18505	0.037498	**12633.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	D5	2	2.8024	3.0920	Sagging	245.16E-6	0.25608	0.037498	-	**6623.1**	0 (Negligible)

Xdisp Input and Output

Model: CIRIA installation and excavation - Scaled

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Line	A1	-	29.57700	22.24700	0.00000	32.94000	24.93400	0.00000	9	-	-	Yes	Surface
Line	A2	-	32.94000	24.93400	0.00000	34.50900	22.97000	0.00000	6	-	-	Yes	Surface
Line	A3	-	34.50900	22.97000	0.00000	37.46400	25.33100	0.00000	8	-	-	Yes	Surface
Line	A4	-	37.46400	25.33100	0.00000	39.77100	22.18900	0.00000	8	-	-	Yes	Surface
Line	A5	-	39.77100	22.18900	0.00000	33.49800	17.24100	0.00000	16	-	-	Yes	Surface
Line	A6	-	33.49800	17.24100	0.00000	29.57700	22.24700	0.00000	13	-	-	Yes	Surface
Line	B1	-	20.51600	5.45800	0.00000	23.63600	7.79400	0.00000	8	-	-	Yes	Surface
Line	B2	-	23.63600	7.79400	0.00000	23.07200	8.52400	0.00000	2	-	-	Yes	Surface
Line	B3	-	23.07200	8.52400	0.00000	27.18000	11.64800	0.00000	11	-	-	Yes	Surface
Line	B4	-	27.18000	11.64800	0.00000	27.83500	10.78700	0.00000	3	-	-	Yes	Surface
Line	B5	-	27.83500	10.78700	0.00000	32.94300	14.58400	0.00000	13	-	-	Yes	Surface
Line	B6	-	32.94300	14.58400	0.00000	32.30500	15.44100	0.00000	3	-	-	Yes	Surface
Line	B7	-	32.30500	15.44100	0.00000	33.19400	16.09000	0.00000	3	-	-	Yes	Surface
Line	B8	-	33.19400	16.09000	0.00000	26.81700	24.57500	0.00000	22	-	-	Yes	Surface
Line	B9	-	26.81700	24.57500	0.00000	24.76900	22.97900	0.00000	6	-	-	Yes	Surface
Line	B10	-	24.76900	22.97900	0.00000	25.81100	21.58400	0.00000	4	-	-	Yes	Surface
Line	B11	-	25.81100	21.58400	0.00000	23.92000	20.11300	0.00000	5	-	-	Yes	Surface
Line	B12	-	23.92000	20.11300	0.00000	24.50100	19.36600	0.00000	2	-	-	Yes	Surface
Line	B13	-	24.50100	19.36600	0.00000	22.31400	17.68800	0.00000	6	-	-	Yes	Surface
Line	B14	-	22.31400	17.68800	0.00000	20.96500	19.44800	0.00000	5	-	-	Yes	Surface
Line	B15	-	20.96500	19.44800	0.00000	17.42900	16.79200	0.00000	9	-	-	Yes	Surface
Line	B16	-	17.42900	16.79200	0.00000	20.02000	13.18500	0.00000	9	-	-	Yes	Surface
Line	B17	-	20.02000	13.18500	0.00000	18.50800	11.94800	0.00000	4	-	-	Yes	Surface
Line	B18	-	18.50800	11.94800	0.00000	19.31100	10.90100	0.00000	3	-	-	Yes	Surface
Line	B19	-	19.31100	10.90100	0.00000	17.42200	9.47800	0.00000	5	-	-	Yes	Surface
Line	B20	-	17.42200	9.47800	0.00000	20.51600	5.45800	0.00000	11	-	-	Yes	Surface
Line	C1	-	36.28600	29.95000	0.00000	33.76400	33.19100	0.00000	9	-	-	Yes	Surface
Line	C2	-	33.76400	33.19100	0.00000	30.96900	31.22800	0.00000	7	-	-	Yes	Surface
Line	C3	-	30.96900	31.22800	0.00000	29.28100	33.63100	0.00000	6	-	-	Yes	Surface
Line	C4	-	29.28100	33.63100	0.00000	31.21800	35.08700	0.00000	5	-	-	Yes	Surface
Line	C5	-	31.21800	35.08700	0.00000	32.24800	36.92900	0.00000	5	-	-	Yes	Surface
Line	C6	-	32.24800	36.92900	0.00000	37.10800	40.50500	0.00000	13	-	-	Yes	Surface
Line	C7	-	37.10800	40.50500	0.00000	37.37100	40.14800	0.00000	1	-	-	Yes	Surface
Line	C8	-	37.37100	40.14800	0.00000	41.37500	43.09500	0.00000	10	-	-	Yes	Surface
Line	C9	-	41.37500	43.09500	0.00000	42.92700	40.98600	0.00000	6	-	-	Yes	Surface
Line	C10	-	42.92700	40.98600	0.00000	42.26400	40.49800	0.00000	2	-	-	Yes	Surface
Line	C11	-	42.26400	40.49800	0.00000	45.19200	36.51800	0.00000	10	-	-	Yes	Surface
Line	C12	-	45.19200	36.51800	0.00000	36.28600	29.95000	0.00000	23	-	-	Yes	Surface
Line	D1	-	27.55900	34.85000	0.00000	24.98300	38.36700	0.00000	9	-	-	Yes	Surface
Line	D2	-	24.98300	38.36700	0.00000	21.81800	36.04800	0.00000	8	-	-	Yes	Surface
Line	D3	-	21.81800	36.04800	0.00000	19.89300	38.77000	0.00000	7	-	-	Yes	Surface
Line	D4	-	19.89300	38.77000	0.00000	32.85700	48.17000	0.00000	33	-	-	Yes	Surface
Line	D5	-	32.85700	48.17000	0.00000	34.69600	45.68400	0.00000	7	-	-	Yes	Surface
Line	D6	-	34.69600	45.68400	0.00000	33.76300	44.99400	0.00000	3	-	-	Yes	Surface
Line	D7	-	33.76300	44.99400	0.00000	36.47000	41.32000	0.00000	10	-	-	Yes	Surface
Line	D8	-	36.47000	41.32000	0.00000	27.55900	34.85000	0.00000	23	-	-	Yes	Surface
Grid	Grid 1	Global X	0.00000	0.00000	0.00000	-	57.42000	0.00000	99	82.00000	99	No	Surface

Vertical Ground Movement Curves (Excavations)

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Curve Name: **ExcavHighStiffClay-0.85**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.033][0.100,0.000,0.042][0.200,0.000,0.048][0.300,0.000,0.053]
[0.400,0.000,0.057][0.500,0.000,0.059][0.600,0.000,0.061][0.700,0.000,0.062]
[0.800,0.000,0.062][0.900,0.000,0.061][1.000,0.000,0.059][1.100,0.000,0.058]
[1.200,0.000,0.055][1.300,0.000,0.052][1.400,0.000,0.049][1.500,0.000,0.046]
[1.600,0.000,0.043][1.700,0.000,0.039][1.800,0.000,0.036][1.900,0.000,0.032]
[2.000,0.000,0.029][2.100,0.000,0.025][2.200,0.000,0.023][2.300,0.000,0.020]
[2.400,0.000,0.017][2.500,0.000,0.014][2.600,0.000,0.012][2.700,0.000,0.010]
[2.800,0.000,0.009][2.900,0.000,0.007][3.000,0.000,0.006][3.100,0.000,0.004]
[3.200,0.000,0.003][3.300,0.000,0.003][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.2486E-3x^4 + 2.4220E-2x^3 - 8.5430E-2x^2 + 8.9838E-2x + 3.3142E-2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves (Excavations)

Type	Name	Direction of extrusion	Point/Line/Line for extrusion	No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate Surface type for tunnels

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034]
[0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027]
[0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020]
[0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015]
[0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010]
[1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006]
[1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003]
[1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-4.2486E\text{-}3x^3 + 1.9096E\text{-}2x^2 - 4.6221E\text{-}2x + 4.0729E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: **ExcavHighStiffClay-0.85**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.128][4.000,0.000,0.000]
Curve Fitting Method: Linear

Polygonal Excavations

Excavation Name: **InstallContig**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-8.0000	No	-	-	-	-	-	-
2	48.423	37.225	-8.0000	No	-	-	-	-	-	-
3	55.142	28.291	-8.0000	No	-	-	-	-	-	-
4	42.970	19.138	-8.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	48.423	37.225	55.142	28.291	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	55.142	28.291	42.970	19.138	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	42.970	19.138	36.252	28.072	No vertical ground movement	No horizontal ground movement

Excavation Name: **Excavate**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
2	48.423	37.225	55.142	28.291	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
3	55.142	28.291	42.970	19.138	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
4	42.970	19.138	36.252	28.072	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85

Excavation Name: **IntallUnderpin**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	No vertical ground movement	No horizontal ground movement
2	48.423	37.225	55.142	28.291	No vertical ground movement	No horizontal ground movement
3	55.142	28.291	42.970	19.138	No vertical ground movement	No horizontal ground movement
4	42.970	19.138	36.252	28.072	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
A	A1	A1	0.00000	4.30400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A2	A2	0.00000	2.51300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A3	A3	0.00000	3.78200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A4	A4	0.00000	3.89800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A5	A5	0.00000	7.98900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A6	A6	0.00000	6.35800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B1	B1	0.00000	3.89700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B2	B2	0.00000	0.92200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B3	B3	0.00000	5.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B4	B4	0.00000	1.08100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B5	B5	0.00000	6.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B6	B6	0.00000	1.06800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B7	B7	0.00000	1.10000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B8	B8	0.00000	10.61400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B9	B9	0.00000	2.59600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B10	B10	0.00000	1.74100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B11	B11	0.00000	2.39500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B12	B12	0.00000	0.94600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B13	B13	0.00000	2.75600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B14	B14	0.00000	2.21700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B15	B15	0.00000	4.42200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B16	B16	0.00000	4.44100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B17	B17	0.00000	1.95300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B18	B18	0.00000	1.31900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B19	B19	0.00000	2.36500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B20	B20	0.00000	5.07200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C1	C1	0.00000	4.10600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C2	C2	0.00000	3.41500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C3	C3	0.00000	2.93600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C4	C4	0.00000	2.42300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C5	C5	0.00000	2.11000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C6	C6	0.00000	6.03300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C7	C7	0.00000	0.44300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C8	C8	0.00000	4.97100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C9	C9	0.00000	2.61800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C10	C10	0.00000	0.82300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C11	C11	0.00000	4.94100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C12	C12	0.00000	11.06500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D1	D1	0.00000	4.35900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D2	D2	0.00000	3.92300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D3	D3	0.00000	3.33300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D4	D4	0.00000	16.01300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D5	D5	0.00000	3.09200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D6	D6	0.00000	1.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D7	D7	0.00000	4.56300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D8	D8	0.00000	11.01200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging			Sagging		
				2nd Moment of Area (per unit width) [m³]	Distance of Bending Strain from N.A. [m]	Distance of N.A. from Edge of Beam in Tension [m]	2nd Moment of Area (per unit width) [m³]	Distance of Bending Strain from N.A. [m]	Distance of N.A. from Edge of Beam in Tension [m]
A	A1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B13	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B14	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B15	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B16	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B17	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B18	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B19	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B20	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical	Segment Start Length Curvature	Combined Segment

individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

Errors

None

Displacement and Strain Results

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	Angle of Line to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
A1	Line 1	29.57700	22.24700	0.00000	1.8252	1.3726	0.89047	2.2827	-0.066982	38.624
	0.47829	29.95067	22.54556	0.00000	1.9470	1.4642	1.0388	2.4350	-0.071452	38.624
	0.95658	30.32433	22.84411	0.00000	2.0688	1.5557	1.1956	2.5874	-0.075922	38.624
	1.4349	30.69800	23.14267	0.00000	2.1906	1.6473	1.3585	2.7397	-0.080391	38.624
	1.9132	31.07167	23.44122	0.00000	2.3124	1.7389	1.5246	2.8920	-0.084861	38.624
	2.3915	31.44533	23.73978	0.00000	2.4342	1.8305	1.6906	3.0443	-0.089331	38.624
	2.8697	31.81900	24.03833	0.00000	2.5648	1.9287	1.8551	3.2077	-0.094123	38.624
	3.3480	32.19267	24.33689	0.00000	2.8139	2.1161	2.0328	3.5193	-0.10327	38.624
	3.8263	32.56633	24.63544	0.00000	3.0631	2.3035	2.1985	3.8309	-0.11241	38.624
	4.3046	32.94000	24.93400	0.00000	3.3122	2.4908	2.3595	4.1425	-0.12155	38.624
A2	Line 2	32.94000	24.93400	0.00000	3.3122	2.4908	2.3595	0.12128	4.1425	308.62
	0.41896	33.20150	24.60667	0.00000	3.3186	2.4957	2.3636	0.12151	4.1585	308.62
	0.83792	33.46300	24.27933	0.00000	3.3250	2.5005	2.3677	0.12175	4.1585	308.62
	1.2569	33.72450	23.95200	0.00000	3.3314	2.5053	2.3718	0.12198	4.1665	308.62
	1.6758	33.98600	23.62467	0.00000	3.3378	2.5101	2.3759	0.12221	4.1745	308.62
	2.0948	34.24750	23.29733	0.00000	3.3442	2.5149	2.3800	0.12245	4.1825	308.62
	2.5138	34.50900	22.97000	0.00000	3.3506	2.5197	2.3841	0.12268	4.1905	308.62
A3	Line 3	34.50900	22.97000	0.00000	3.3506	2.5197	2.3841	4.1905	-0.12295	38.624
	0.47280	34.87837	23.26512	0.00000	3.5969	2.7049	2.5430	4.4985	-0.13199	38.624
	0.94559	35.24775	23.56025	0.00000	3.8432	2.8901	2.7029	4.8065	-0.14103	38.624
	1.4184	35.61713	23.85537	0.00000	4.0895	3.0753	2.8622	5.1146	-0.15007	38.624
	1.8912	35.98650	24.15050	0.00000	4.3358	3.2606	3.0164	5.4226	-0.15910	38.624
	2.3640	36.35587	24.44563	0.00000	4.5821	3.4458	3.1584	5.7306	-0.16814	38.624
	2.8368	36.72525	24.74075	0.00000	4.8284	3.6310	3.2784	6.0387	-0.17718	38.624
	3.3096	37.09463	25.03588	0.00000	5.0747	3.8162	3.3637	6.3467	-0.18622	38.624
	3.7824	37.46400	25.33100	0.00000	5.3210	4.0014	3.3989	6.6548	-0.19526	38.624
A4	Line 4	37.46400	25.33100	0.00000	5.3210	4.0014	3.3989	-0.076211	6.6572	306.29
	0.48725	37.75238	24.93825	0.00000	5.3180	3.9992	3.3988	-0.076169	6.6536	306.29
	0.97450	38.04075	24.54550	0.00000	5.3151	3.9971	3.3987	-0.076128	6.6499	306.29
	1.4618	38.32912	24.15275	0.00000	5.3122	3.9949	3.3987	-0.076086	6.6463	306.29
	1.9490	38.61750	23.76000	0.00000	5.3093	3.9927	3.3986	-0.076045	6.6426	306.29
	2.4363	38.90588	23.36725	0.00000	5.3064	3.9905	3.3985	-0.076003	6.6390	306.29
	2.9235	39.19425	22.97450	0.00000	5.3035	3.9883	3.3984	-0.075961	6.6354	306.29
	3.4108	39.48262	22.58175	0.00000	5.3006	3.9861	3.3983	-0.075920	6.6317	306.29
	3.8980	39.77100	22.18900	0.00000	5.2977	3.9839	3.3982	-0.075878	6.6281	306.29
A5	Line 5	39.77100	22.18900	0.00000	5.2977	3.9839	3.3982	-6.6268	0.15291	218.27
	0.49335	39.37894	21.87975	0.00000	5.0375	3.7883	3.3536	-6.3013	0.14540	218.27
	0.99870	38.98687	21.57050	0.00000	4.7774	3.5926	3.2560	-5.9759	0.13789	218.27
	1.4980	38.59481	21.26125	0.00000	4.5172	3.3970	3.1227	-5.6504	0.13038	218.27
	1.9974	38.20275	20.95200	0.00000	4.2570	3.2013	2.9680	-5.3250	0.12287	218.27
	2.4967	37.81069	20.64275	0.00000	3.9968	3.0057	2.8026	-4.9995	0.11536	218.27
	2.9961	37.41862	20.33350	0.00000	3.7367	2.8100	2.6337	-4.6741	0.10786	218.27
	3.4954	37.02656	20.02425	0.00000	3.4765	2.6144	2.4652	-4.3487	0.10035	218.27
	3.9948	36.63450	19.71500	0.00000	3.2163	2.4187	2.2977	-4.0232	0.092836	218.27
	4.4941	36.24244	19.40575	0.00000	2.9561	2.2231	2.1283	-3.6978	0.085326	218.27
	4.9935	35.85038	19.09650	0.00000	2.6960	2.0274	1.9507	-3.3723	0.077817	218.27
	5.4928	35.45831	18.78725	0.00000	2.4929	1.8747	1.7695	-3.1183	0.071956	218.27
	5.9922	35.06625	18.47800	0.00000	2.3657	1.7791	1.5976	-2.9593	0.068285	218.27
	6.4915	34.67419	18.16875	0.00000	2.2386	1.6834	1.4238	-2.8002	0.064614	218.27
	6.9909	34.28213	17.85950	0.00000	2.1114	1.5878	1.2521	-2.6411	0.060943	218.27
	7.4902	33.89006	17.55025	0.00000	1.9842	1.4922	1.0859	-2.4820	0.057272	218.27
	7.9896	33.49800	17.24100	0.00000	1.8570	1.3965	0.92831	-2.3229	0.053602	218.27
A6	Line 6	33.49800	17.24100	0.00000	1.8570	1.3965	0.92831	-0.045679	-2.3231	128.07
	0.48914	33.19638	17.62608	0.00000	1.8546	1.3947	0.92537	-0.045619	-2.3200	128.07
	0.97828	32.89477	18.01115	0.00000	1.8521	1.3928	0.92244	-0.045559	-2.3170	128.07
	1.4674	32.59315	18.39623	0.00000	1.8497	1.3910	0.91952	-0.045499	-2.3139	128.07
	1.9566	32.29154	18.78131	0.00000	1.8472	1.3891	0.91659	-0.045438	-2.3108	128.07
	2.4457	31.98992	19.16638	0.00000	1.8448	1.3873	0.91367	-0.045378	-2.3078	128.07
	2.9348	31.68831	19.55146	0.00000	1.8423	1.3855	0.91076	-0.045318	-2.3047	128.07
	3.4240	31.38669	19.93654	0.00000	1.8399	1.3836	0.90785	-0.045258	-2.3016	128.07
	3.9131	31.08508	20.32162	0.00000	1.8374	1.3818	0.90494	-0.045197	-2.2986	128.07
	4.4022	30.78346	20.70669	0.00000	1.8350	1.3799	0.90204	-0.045137	-2.2955	128.07
	4.8914	30.48185	21.09177	0.00000	1.8325	1.3781	0.89914	-0.045077	-2.2924	128.07
	5.3805	30.18023	21.47685	0.00000	1.8301	1.3763	0.89625	-0.045017	-2.2894	128.07
	5.8697	29.87862	21.86192	0.00000	1.8276	1.3744	0.89336	-0.044956	-2.2863	128.07
	6.3588	29.57700	22.24700	0.00000	1.8252	1.3726	0.89047	-0.044896	-2.2833	128.07
B1	Line 7	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
B2	Line 8	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
B3	Line 9	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
B4	Line 10	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
B5	Line 11	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	1.4688	29.01377	11.66323	0.00000	0.089982	0.067668	0.023478	0.11258	626.18E-6	36.625
	1.9584	29.40669	11.95531	0.00000	0.21470	0.16146	0.044447	0.26864	0.0014941	36.625
	2.4479	29.79962	12.24738	0.00000	0.33943	0.25525	0.060795	0.42469	0.0023621	36.625
	2.9375	30.19254	12.53946	0.00000	0.46415	0.34905	0.076623	0.58074	0.0032300	36.625
	3.4271	30.58546	12.83154	0.00000	0.58887	0.44284	0.095542	0.73679	0.0040979	36.625
	3.9167	30.97838	13.12362	0.00000	0.71359	0.53663	0.12068	0.89284	0.0049659	36.625
	4.4063	31.37131	13.41569	0.00000	0.83832	0.63043	0.15469	1.0489	0.0058338	36.625
	4.8959	31.76423	13.70777	0.00000	0.96304	0.72422	0.19972	1.2049	0.0067018	36.625
	5.3855	32.15715	13.99985	0.00000	1.0878	0.81801	0.25745	1.3610	0.0075697	36.625
	5.8751	32.55008	14.29192	0.00000	1.2125	0.91181	0.32907	1.5170	0.0084376	36.625
	6.3647	32.94300	14.58400	0.00000	1.3372	1.0056	0.41530	1.6731	0.0093056	36.625
B6	Line 12	32.94300	14.58400	0.00000	1.3372	1.0056	0.41530	0.0081061	-1.6731	126.67
	0.35614	32.73033	14.86967	0.00000	1.3376	1.0059	0.41563	0.0081088	-1.6737	126.67
	0.71227	32.51767	15.15533	0.00000	1.3381	1.0063	0.41596	0.0081115	-1.6742	126.67
	1.0684	32.30500	15.44100	0.00000	1.3385	1.0066	0.41629	0.0081141	-1.6748	126.67
B7	Line 13	32.30500	15.44100	0.00000	1.3385	1.0066	0.41629	1.6746	0.023764	36.131
	0.36690	32.60133	15.65733	0.00000	1.4320	1.0769	0.49073	1.7915	0.025423	36.131
	0.73379	32.89767	15.87367	0.00000	1.5254	1.1472	0.57343	1.9085	0.027082	36.131
	1.1007	33.19400	16.09000	0.00000	1.6189	1.2174	0.66412	2.0254	0.028741	36.131
B8	Line 14	33.19400	16.09000	0.00000	1.6189	1.2174	0.66412	586.50E-6	-2.0256	126.93
	0.48246	32.90414	16.47568	0.00000	1.6189	1.2175	0.66416	586.52E-6	-2.0256	126.93
	0.96493	32.61427	16.86136	0.00000	1.6190	1.2175	0.66420	586.53E-6	-2.0257	126.93

Type/No.		Coordinates			Displacements				Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
	1.4474	32.32441	17.24705	0.00000	1.6190	1.2175	0.66423	586.54E-6	-2.0257	126.93
	1.9299	32.03455	17.63273	0.00000	1.6190	1.2175	0.66427	586.56E-6	-2.0258	126.93
	2.4123	31.74468	18.01841	0.00000	1.6191	1.2176	0.66430	586.57E-6	-2.0258	126.93
	2.8948	31.45482	18.40409	0.00000	1.6191	1.2176	0.66434	586.58E-6	-2.0259	126.93
	3.3772	31.16495	18.78977	0.00000	1.6192	1.2176	0.66438	586.59E-6	-2.0259	126.93
	3.8597	30.87509	19.17545	0.00000	1.6192	1.2177	0.66441	586.61E-6	-2.0259	126.93
	4.3422	30.58523	19.56114	0.00000	1.6192	1.2177	0.66445	586.62E-6	-2.0260	126.93
	4.8246	30.29536	19.94682	0.00000	1.6193	1.2177	0.66448	586.63E-6	-2.0260	126.93
	5.3071	30.00550	20.33250	0.00000	1.6193	1.2177	0.66452	586.65E-6	-2.0261	126.93
	5.7896	29.71564	20.71818	0.00000	1.6193	1.2178	0.66456	586.66E-6	-2.0261	126.93
	6.2720	29.42577	21.10386	0.00000	1.6194	1.2178	0.66459	586.67E-6	-2.0262	126.93
	6.7545	29.13591	21.48955	0.00000	1.6194	1.2178	0.66463	586.68E-6	-2.0262	126.93
	7.2370	28.84605	21.87523	0.00000	1.6194	1.2178	0.66466	586.70E-6	-2.0263	126.93
	7.7194	28.55618	22.26091	0.00000	1.6195	1.2179	0.66470	586.71E-6	-2.0263	126.93
	8.2019	28.26632	22.64659	0.00000	1.6122	1.1188	0.70068	-0.074229	-1.9610	126.93
	8.6843	27.97645	23.03227	0.00000	1.5985	1.0130	0.73147	-0.15064	-1.8864	126.93
	9.1668	27.68659	23.41795	0.00000	1.5786	0.90614	0.75505	-0.22407	-1.8064	126.93
	9.6493	27.39673	23.80364	0.00000	1.5525	0.80016	0.77117	-0.29312	-1.7218	126.93
	10.132	27.10686	24.18932	0.00000	1.5203	0.69669	0.77974	-0.35648	-1.6339	126.93
	10.614	26.81700	24.57500	0.00000	1.4821	0.59723	0.78088	-0.41303	-1.5436	126.93
B9	Line 15	26.81700	24.57500	0.00000	1.4821	0.59723	0.78088	-1.5362	0.43996	217.93
	0.43274	26.47567	24.30900	0.00000	1.3748	0.58452	0.66551	-1.4437	0.38401	217.93
	0.86548	26.13433	24.04300	0.00000	1.2673	0.56617	0.56226	-1.3476	0.33243	217.93
	1.2982	25.79300	23.77700	0.00000	1.1597	0.54281	0.47112	-1.2484	0.28472	217.93
	1.7310	25.45167	23.51100	0.00000	1.0520	0.51500	0.39184	-1.1464	0.24044	217.93
	2.1637	25.11033	23.24500	0.00000	0.94623	0.48044	0.32391	-1.0417	0.20268	217.93
	2.5964	24.76900	22.97900	0.00000	0.84455	0.43664	0.26657	-0.93456	0.17473	217.93
B10	Line 16	24.76900	22.97900	0.00000	0.84455	0.43664	0.26657	0.15559	0.93793	306.76
	0.43530	25.02950	22.63025	0.00000	0.87137	0.48213	0.26186	0.13519	0.98664	306.76
	0.87060	25.29000	22.28150	0.00000	0.89486	0.52766	0.25487	0.11277	1.0327	306.76
	1.3059	25.55050	21.93275	0.00000	0.91488	0.57273	0.24563	0.088644	1.0757	306.76
	1.7412	25.81100	21.58400	0.00000	0.93132	0.61678	0.23419	0.063188	1.1153	306.76
B11	Line 17	25.81100	21.58400	0.00000	0.93132	0.61678	0.23419	-1.1138	0.084997	217.88
	0.47915	25.43280	21.28980	0.00000	0.81211	0.54111	0.18491	-0.97325	0.071532	217.88
	0.95831	25.05460	20.99560	0.00000	0.69268	0.46412	0.14641	-0.83171	0.058968	217.88
	1.4375	24.67640	20.70140	0.00000	0.57304	0.38595	0.11861	-0.68928	0.047212	217.88
	1.9166	24.29820	20.40720	0.00000	0.45322	0.30672	0.092987	-0.54606	0.036182	217.88
	2.3958	23.92000	20.11300	0.00000	0.33323	0.22653	0.072572	-0.40211	0.025807	217.88
B12	Line 18	23.92000	20.11300	0.00000	0.33323	0.22653	0.072572	0.025778	0.40211	307.87
	0.47317	24.21050	19.73950	0.00000	0.34354	0.24475	0.068390	0.017719	0.42144	307.87
	0.94635	24.50100	19.36600	0.00000	0.35007	0.26076	0.063414	0.0090915	0.43642	307.87
B13	Line 19	24.50100	19.36600	0.00000	0.35007	0.26076	0.063414	-0.43647	0.0062170	217.50
	0.45943	24.13650	19.08633	0.00000	0.23320	0.17382	0.047867	-0.29082	0.0040467	217.50
	0.91886	23.77200	18.80667	0.00000	0.11630	0.086747	0.028887	-0.14508	0.0019738	217.50
	1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
B14	Line 20	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
B15	Line 21	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
B16	Line 22	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
B17	Line 23	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
B18	Line 24	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
B19	Line 25	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
B20	Line 26	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
C1	Line 27	36.28600	29.95000	0.00000	4.3589	-5.7962	5.1389	-7.2513	0.11954	127.89
	0.45629	36.00578	30.31011	0.00000	4.1655	-5.5390	5.1822	-6.9296	0.11423	127.89
	0.91259	35.72556	30.67022	0.00000	3.9771	-5.2885	5.1698	-6.6162	0.10907	127.89
	1.3689	35.44533	31.03033	0.00000	3.7935	-5.0444	5.1087	-6.3108	0.10403	127.89
	1.8252	35.16511	31.39044	0.00000	3.6145	-4.8063	5.0054	-6.0129	0.099122	127.89
	2.2815	34.88489	31.75056	0.00000	3.4397	-4.5740	4.8660	-5.7223	0.094331	127.89
	2.7378	34.60467	32.11067	0.00000	3.2691	-4.3471	4.6965	-5.4384	0.089652	127.89
	3.1941	34.32444	32.47078	0.00000	3.1024	-4.1254	4.5021	-5.1610	0.085079	127.89
	3.6504	34.04422	32.83089	0.00000	2.9393	-3.9085	4.2879	-4.8897	0.080606	127.89
	4.1066	33.76400	33.19100	0.00000	2.7796	-3.6961	4.0587	-4.6240	0.076226	127.89
C2	Line 28	33.76400	33.19100	0.00000	2.7796	-3.6961	4.0587	-0.15032	4.6222	215.08
	0.48792	33.36471	32.91057	0.00000	2.7741	-3.6888	4.0505	-0.15002	4.6131	215.08
	0.97585	32.96543	32.63014	0.00000	2.7686	-3.6815	4.0423	-0.14973	4.6039	215.08
	1.4638	32.56614	32.34971	0.00000	2.7577	-3.4268	3.9410	-0.28720	4.3892	215.08
	1.9517	32.16686	32.06929	0.00000	2.7313	-3.0909	3.7951	-0.45862	4.0992	215.08
	2.4396	31.76757	31.78886	0.00000	2.6889	-2.7576	3.6333	-0.61552	3.8020	215.08
	2.9275	31.36829	31.50843	0.00000	2.6304	-2.4356	3.4579	-0.75272	3.5050	215.08
	3.4155	30.96900	31.22800	0.00000	2.5664	-2.1247	3.2736	-0.87907	3.2138	215.08
C3	Line 29	30.96900	31.22800	0.00000	2.5664	-2.1247	3.2736	-3.2138	-0.87879	125.09
	0.48944	30.68767	31.62850	0.00000	2.4254	-2.0919	3.0876	-3.1059	-0.78224	125.09
	0.97887	30.40633	32.02900	0.00000	2.2833	-2.0374	2.8889	-2.9797	-0.69732	125.09
	1.4683	30.12500	32.42950	0.00000	2.1409	-1.9655	2.6822	-2.8389	-0.62204	125.09
	1.9577	29.84367	32.83000	0.00000	1.9983	-1.8794	2.4719	-2.6865	-0.55485	125.09
	2.4472	29.56233	33.23050	0.00000	1.8559	-1.7817	2.2619	-2.5247	-0.49450	125.09
	2.9366	29.28100	33.63100	0.00000	1.7137	-1.6742	2.0553	-2.3551	-0.43995	125.09
C4	Line 30	29.28100	33.63100	0.00000	1.7137	-1.6742	2.0553	0.36390	-2.3680	36.931
	0.48464	29.66840	33.92220	0.00000	1.7429	-1.8332	2.1548	0.29171	-2.5126	36.931
	0.96928	30.05580	34.21340	0.00000	1.7647	-1.9904	2.2450	0.21468	-2.6514	36.931
	1.4539	30.44320	34.50460	0.00000	1.7787	-2.1433	2.3245	0.13401	-2.7821	36.931
	1.9386	30.83060	34.79580	0.00000	1.7847	-2.2893	2.3918	0.051043	-2.9023	36.931
	2.4232	31.21800	35.08700	0.00000	1.7842	-2.3726	2.4259	654.96E-6	-2.9686	36.931
C5	Line 31	31.21800	35.08700	0.00000	1.7842	-2.3726	2.4259	-1.2000	-2.7152	60.787
	0.42208	31.42400	35.45540	0.00000	1.7313	-2.3022	2.3398	-1.1644	-2.6347	60.787
	0.84417	31.63000	35.82380	0.00000	1.6786	-2.2321	2.2549	-1.1290	-2.5545	60.787
	1.2663	31.83600	36.19220	0.00000	1.6261	-2.1623	2.1714	-1.0936	-2.4746	60.787
	1.6883	32.04200	36.56060	0.00000	1.5738	-2.0927	2.0895	-1.0585	-2.3950	60.787
	2.1104	32.24800	36.92900	0.00000	1.5217	-2.0234	2.0090	-1.0234	-2.3157	60.787
C6	Line 32	32.24800	36.92900	0.00000	1.5217	-2.0234	2.0090	0.026436	-2.5316	36.346
	0.46414	32.62185	37.20408	0.00000	1.5231	-2.0254	2.0113	0.026462	-2.5341	36.346
	0.92829	32.99569	37.47915	0.00000	1.5246	-2.0274	2.0136	0.026488	-2.5365	36.346

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
	1.3924	33.36954	37.75423	0.00000	1.5261	-2.0293	2.0158	0.026513	-2.5390	36.346
	1.8566	33.74338	38.02931	0.00000	1.5276	-2.0313	2.0181	0.026539	-2.5415	36.346
	2.3207	34.11723	38.30438	0.00000	1.5291	-2.0333	2.0204	0.026565	-2.5439	36.346
	2.7849	34.49108	38.57946	0.00000	1.5305	-2.0352	2.0226	0.026590	-2.5464	36.346
	3.2490	34.86492	38.85454	0.00000	1.5320	-2.0372	2.0249	0.026616	-2.5488	36.346
	3.7131	35.23877	39.12962	0.00000	1.5335	-2.0392	2.0272	0.026642	-2.5513	36.346
	4.1773	35.61262	39.40469	0.00000	1.5350	-2.0411	2.0295	0.026668	-2.5538	36.346
	4.6414	35.98646	39.67977	0.00000	1.5365	-2.0431	2.0317	0.026693	-2.5562	36.346
	5.1056	36.36031	39.95485	0.00000	1.5379	-2.0451	2.0340	0.026719	-2.5587	36.346
	5.5697	36.73415	40.22992	0.00000	1.5394	-2.0470	2.0363	0.026745	-2.5611	36.346
	6.0339	37.10800	40.50500	0.00000	1.5409	-2.0490	2.0386	0.026770	-2.5636	36.346
C7	Line 33	37.10800	40.50500	0.00000	1.5409	-2.0490	2.0386	2.5636	0.025287	306.38
	0.44342	37.37100	40.14000	0.00000	1.6769	-2.2298	2.2522	2.7899	0.027519	306.38
C8	Line 34	37.37100	40.14000	0.00000	1.6769	-2.2298	2.2522	0.028750	-2.7899	36.354
	0.49716	37.77140	40.44270	0.00000	1.6785	-2.2319	2.2547	0.028777	-2.7925	36.354
	0.99432	38.17180	40.73740	0.00000	1.6801	-2.2341	2.2573	0.028805	-2.7951	36.354
	1.4915	38.57220	41.03210	0.00000	1.6816	-2.2362	2.2598	0.028832	-2.7978	36.354
	1.9886	38.97260	41.32680	0.00000	1.6832	-2.2383	2.2623	0.028859	-2.8004	36.354
	2.4858	39.37300	41.62150	0.00000	1.6848	-2.2404	2.2648	0.028886	-2.8030	36.354
	2.9830	39.77340	41.91620	0.00000	1.6864	-2.2425	2.2674	0.028913	-2.8056	36.354
	3.4801	40.17380	42.21090	0.00000	1.6880	-2.2446	2.2699	0.028940	-2.8083	36.354
	3.9773	40.57420	42.50560	0.00000	1.6895	-2.2467	2.2724	0.028967	-2.8109	36.354
	4.4744	40.97460	42.80030	0.00000	1.6911	-2.2488	2.2750	0.028994	-2.8135	36.354
	4.9716	41.37500	43.09500	0.00000	1.6927	-2.2509	2.2775	0.029021	-2.8162	36.354
C9	Line 35	41.37500	43.09500	0.00000	1.6927	-2.2509	2.2775	2.8162	0.029241	306.35
	0.43642	41.63367	42.74350	0.00000	1.8281	-2.4309	2.4981	3.0414	0.031580	306.35
	0.87284	41.89233	42.39200	0.00000	1.9651	-2.6131	2.7262	3.2694	0.033947	306.35
	1.3093	42.15100	42.04050	0.00000	2.1039	-2.7977	2.9602	3.5003	0.036344	306.35
	1.7457	42.40967	41.68900	0.00000	2.2447	-2.9849	3.1981	3.7345	0.038777	306.35
	2.1821	42.66833	41.33750	0.00000	2.3877	-3.1750	3.4373	3.9724	0.041246	306.35
	2.6185	42.92700	40.98600	0.00000	2.5331	-3.3683	3.6754	4.2143	0.043758	306.35
C10	Line 36	42.92700	40.98600	0.00000	2.5331	-3.3683	3.6754	-0.043335	4.2143	216.35
	0.41162	42.59550	40.74200	0.00000	2.5316	-3.3664	3.6731	-0.043311	4.2119	216.35
	0.82323	42.26400	40.49800	0.00000	2.5302	-3.3645	3.6708	-0.043287	4.2095	216.35
C11	Line 37	42.26400	40.49800	0.00000	2.5302	-3.3645	3.6708	4.2095	0.044297	306.34
	0.49410	42.55680	40.10000	0.00000	2.6979	-3.5875	3.9351	4.4885	0.047232	306.34
	0.98820	42.84960	39.70200	0.00000	2.8691	-3.8152	4.1894	4.7734	0.050230	306.34
	1.4823	43.14240	39.30400	0.00000	3.0443	-4.0481	4.4283	5.0648	0.053297	306.34
	1.9764	43.43520	38.90600	0.00000	3.2236	-4.2866	4.6461	5.3631	0.056436	306.34
	2.4705	43.72800	38.50800	0.00000	3.4074	-4.5310	4.8363	5.6689	0.059654	306.34
	2.9646	44.02080	38.11000	0.00000	3.5959	-4.7817	4.9924	5.9826	0.062955	306.34
	3.4587	44.31360	37.71200	0.00000	3.7895	-5.0391	5.1069	6.3047	0.066344	306.34
	3.9528	44.60640	37.31400	0.00000	3.9885	-5.3036	5.1720	6.6356	0.069827	306.34
	4.4469	44.89920	36.91600	0.00000	4.1930	-5.5756	5.1795	6.9759	0.073408	306.34
	4.9410	45.19200	36.51800	0.00000	4.4035	-5.8555	5.1206	7.3261	0.077092	306.34
C12	Line 38	45.19200	36.51800	0.00000	4.4035	-5.8555	5.1206	-0.068534	7.3261	216.41
	0.48113	44.80478	36.23243	0.00000	4.4015	-5.8529	5.1215	-0.068504	7.3229	216.41
	0.96226	44.41757	35.94687	0.00000	4.3996	-5.8503	5.1223	-0.068473	7.3197	216.41
	1.4434	44.03035	35.66130	0.00000	4.3976	-5.8477	5.1232	-0.068443	7.3164	216.41
	1.9245	43.64313	35.37574	0.00000	4.3957	-5.8451	5.1240	-0.068413	7.3132	216.41
	2.4056	43.25591	35.09017	0.00000	4.3937	-5.8426	5.1249	-0.068383	7.3100	216.41
	2.8868	42.86870	34.80461	0.00000	4.3918	-5.8400	5.1257	-0.068353	7.3067	216.41
	3.3679	42.48148	34.51904	0.00000	4.3899	-5.8374	5.1265	-0.068322	7.3035	216.41
	3.8490	42.09426	34.23348	0.00000	4.3879	-5.8348	5.1274	-0.068292	7.3003	216.41
	4.3302	41.70704	33.94791	0.00000	4.3860	-5.8322	5.1282	-0.068262	7.2971	216.41
	4.8113	41.31983	33.66235	0.00000	4.3840	-5.8297	5.1290	-0.068232	7.2938	216.41
	5.2924	40.93261	33.37678	0.00000	4.3821	-5.8271	5.1298	-0.068202	7.2906	216.41
	5.7735	40.54539	33.09122	0.00000	4.3802	-5.8245	5.1306	-0.068171	7.2874	216.41
	6.2547	40.15817	32.80565	0.00000	4.3782	-5.8219	5.1314	-0.068141	7.2842	216.41
	6.7358	39.77096	32.52009	0.00000	4.3763	-5.8193	5.1322	-0.068111	7.2809	216.41
	7.2169	39.38374	32.23452	0.00000	4.3743	-5.8168	5.1329	-0.068081	7.2777	216.41
	7.6981	38.99652	31.94896	0.00000	4.3724	-5.8142	5.1337	-0.068051	7.2745	216.41
	8.1792	38.60930	31.66339	0.00000	4.3705	-5.8116	5.1345	-0.068021	7.2713	216.41
	8.6603	38.22209	31.37783	0.00000	4.3685	-5.8090	5.1352	-0.067990	7.2680	216.41
	9.1414	37.83487	31.09226	0.00000	4.3666	-5.8065	5.1360	-0.067960	7.2648	216.41
	9.6226	37.44765	30.80670	0.00000	4.3647	-5.8039	5.1367	-0.067930	7.2616	216.41
	10.104	37.06043	30.52113	0.00000	4.3627	-5.8013	5.1375	-0.067900	7.2584	216.41
	10.585	36.67322	30.23557	0.00000	4.3608	-5.7988	5.1382	-0.067870	7.2552	216.41
	11.066	36.28600	29.95000	0.00000	4.3589	-5.7962	5.1389	-0.067840	7.2520	216.41
D1	Line 39	27.55900	34.85000	0.00000	1.0936	-1.0110	1.1938	-1.4618	-0.28483	126.22
	0.48439	27.27278	35.24078	0.00000	0.95615	-0.88737	1.0480	-1.2809	-0.24703	126.22
	0.96877	26.98656	35.63156	0.00000	0.81838	-0.75851	0.91298	-1.0955	-0.21203	126.22
	1.4532	26.70033	36.02233	0.00000	0.71775	-0.67481	0.78823	-0.96852	-0.18030	126.22
	1.9375	26.41411	36.41311	0.00000	0.62209	-0.59395	0.67284	-0.84676	-0.15091	126.22
	2.4219	26.12789	36.80389	0.00000	0.52664	-0.50998	0.56539	-0.72262	-0.12352	126.22
	2.9063	25.84167	37.19467	0.00000	0.43138	-0.42323	0.46401	-0.59634	-0.097932	126.22
	3.3907	25.55544	37.58544	0.00000	0.33630	-0.33395	0.36632	-0.46814	-0.073977	126.22
	3.8751	25.26922	37.97622	0.00000	0.24138	-0.24239	0.26953	-0.33818	-0.051501	126.22
	4.3595	24.98300	38.36700	0.00000	0.14660	-0.14876	0.17032	-0.20663	-0.030367	126.22
D2	Line 40	24.98300	38.36700	0.00000	0.14660	-0.14876	0.17032	-0.030332	0.20664	216.23
	0.49046	24.58738	38.07712	0.00000	0.12668	-0.12211	0.14527	-0.030011	0.17337	216.23
	0.98091	24.19175	37.78725	0.00000	0.10349	-0.094647	0.11761	-0.027541	0.13751	216.23
	1.4714	23.79613	37.49737	0.00000	0.077062	-0.066776	0.087370	-0.022695	0.099411	216.23
	1.9618	23.40050	37.20750	0.00000	0.047420	-0.038880	0.054462	-0.015272	0.059390	216.23
	2.4523	23.00488	36.91763	0.00000	0.014604	-0.011314	0.018718	-0.0050933	0.017758	216.23
	2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
D3	Line 41	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
D4	Line 42	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
D5	Line 43	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	2.2088	34.17057	46.39429	0.00000	0.020195	-0.026855	0.030748	0.033600	265.13E-6	306.49
	2.6505	34.43329	46.03914	0.00000	0.10482	-0.13939	0.14205	0.17440	0.0013762	306.49
	3.0923	34.69600	45.68400	0.00000	0.18945	-0.25192	0.24739	0.31520	0.0024872	306.49
D6	Line 44	34.69600	45.68400	0.00000	0.18945	-0.25192	0.24739	-0.0025265	0.31520	216.48
	0.38681	34.38500	45.45400	0.00000	0.18886	-0.25113	0.24667	-0.0025186	0.31421	216.48
	0.77362	34.07400	45.22400	0.00000	0.18826	-0.25034	0.24594	-0.0025106	0.31322	216.48

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	1.1604	33.76300	44.99400	0.00000	0.18767	-0.24955	0.24521	-0.0025027	0.31223	216.48
D7	Line 45	33.76300	44.99400	0.00000	0.18767	-0.24955	0.24521	0.31223	0.0030586	306.38
	0.45636	34.03370	44.62660	0.00000	0.27509	-0.36581	0.35124	0.45768	0.0044835	306.38
	0.91271	34.30440	44.25920	0.00000	0.36252	-0.48206	0.45752	0.60313	0.0059083	306.38
	1.3691	34.57510	43.89180	0.00000	0.44994	-0.59831	0.56691	0.74858	0.0073332	306.38
	1.8254	34.84580	43.52440	0.00000	0.53737	-0.71456	0.68190	0.89403	0.0087580	306.38
	2.2818	35.11650	43.15700	0.00000	0.62479	-0.83081	0.80460	1.0395	0.010183	306.38
	2.7381	35.38720	42.78960	0.00000	0.71222	-0.94707	0.93679	1.1849	0.011608	306.38
	3.1945	35.65790	42.42220	0.00000	0.81920	-1.0893	1.0799	1.3629	0.013351	306.38
	3.6509	35.92860	42.05480	0.00000	0.95502	-1.2699	1.2348	1.5889	0.015565	306.38
	4.1072	36.19930	41.68740	0.00000	1.0911	-1.4509	1.4024	1.8154	0.017783	306.38
	4.5636	36.47000	41.32000	0.00000	1.2278	-1.6327	1.5828	2.0427	0.020011	306.38
D8	Line 46	36.47000	41.32000	0.00000	1.2278	-1.6327	1.5828	-0.034290	2.0425	215.98
	0.47879	36.08257	41.03870	0.00000	1.2254	-1.6295	1.5795	-0.034222	2.0385	215.98
	0.95758	35.69513	40.75739	0.00000	1.2230	-1.6263	1.5762	-0.034155	2.0345	215.98
	1.4364	35.30770	40.47609	0.00000	1.2206	-1.6230	1.5729	-0.034088	2.0305	215.98
	1.9152	34.92026	40.19478	0.00000	1.2182	-1.6198	1.5696	-0.034020	2.0265	215.98
	2.3939	34.53283	39.91348	0.00000	1.2157	-1.6166	1.5664	-0.033953	2.0225	215.98
	2.8727	34.14539	39.63217	0.00000	1.2133	-1.6134	1.5631	-0.033886	2.0185	215.98
	3.3515	33.75796	39.35087	0.00000	1.2109	-1.6102	1.5598	-0.033818	2.0144	215.98
	3.8303	33.37052	39.06957	0.00000	1.2085	-1.6070	1.5566	-0.033751	2.0104	215.98
	4.3091	32.98309	38.78826	0.00000	1.2061	-1.6038	1.5533	-0.033683	2.0064	215.98
	4.7879	32.59565	38.50696	0.00000	1.2037	-1.6006	1.5501	-0.033616	2.0024	215.98
	5.2667	32.20822	38.22565	0.00000	1.2013	-1.5974	1.5468	-0.033549	1.9984	215.98
	5.7455	31.82078	37.94435	0.00000	1.1989	-1.5942	1.5436	-0.033482	1.9944	215.98
	6.2242	31.43335	37.66304	0.00000	1.1965	-1.5910	1.5403	-0.033414	1.9904	215.98
	6.7030	31.04591	37.38174	0.00000	1.1940	-1.5878	1.5371	-0.033347	1.9864	215.98
	7.1818	30.65848	37.10043	0.00000	1.1916	-1.5846	1.5339	-0.033280	1.9824	215.98
	7.6606	30.27104	36.81913	0.00000	1.1892	-1.5814	1.5306	-0.033212	1.9784	215.98
	8.1394	29.88361	36.53783	0.00000	1.1868	-1.5780	1.5273	-0.033262	1.9742	215.98
	8.6182	29.49617	36.25652	0.00000	1.1867	-1.4957	1.4888	-0.081480	1.9075	215.98
	9.0970	29.10874	35.97522	0.00000	1.1801	-1.4066	1.4424	-0.12853	1.8316	215.98
	9.5758	28.72130	35.69391	0.00000	1.1674	-1.3122	1.3888	-0.17367	1.7477	215.98
	10.055	28.33387	35.41261	0.00000	1.1485	-1.2139	1.3289	-0.21620	1.6571	215.98
	10.533	27.94643	35.13130	0.00000	1.1239	-1.1131	1.2636	-0.25547	1.5610	215.98
	11.012	27.55900	34.85000	0.00000	1.0936	-1.0110	1.1938	-0.29091	1.4606	215.98

Specific Building Damage Results - Horizontal Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.57700	22.24700	0.00000	1.8252	1.3726	2.2827	-0.066982
0.47829	29.95067	22.54556	0.00000	1.9470	1.4642	2.4350	-0.071452
0.95658	30.32433	22.84411	0.00000	2.0688	1.5557	2.5874	-0.075922
1.4349	30.69800	23.14267	0.00000	2.1906	1.6473	2.7397	-0.080391
1.9132	31.07167	23.44122	0.00000	2.3124	1.7389	2.8920	-0.084861
2.3915	31.44533	23.73978	0.00000	2.4342	1.8305	3.0443	-0.089331
2.8697	31.81900	24.03833	0.00000	2.5648	1.9287	3.2077	-0.094123
3.3480	32.19267	24.33689	0.00000	2.8139	2.1161	3.5193	-0.10327
3.8263	32.56633	24.63544	0.00000	3.0631	2.3035	3.8309	-0.11241
4.3046	32.94000	24.93400	0.00000	3.3122	2.4908	4.1425	-0.12155

Structure: A | Sub-structure: A2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94000	24.93400	0.00000	3.3122	2.4908	0.12128	4.1425
0.41896	33.20150	24.60667	0.00000	3.3186	2.4957	0.12151	4.1505
0.83792	33.46300	24.27933	0.00000	3.3250	2.5005	0.12175	4.1585
1.2569	33.72450	23.95200	0.00000	3.3314	2.5053	0.12198	4.1665
1.6758	33.98600	23.62467	0.00000	3.3378	2.5101	0.12221	4.1745
2.0948	34.24750	23.29733	0.00000	3.3442	2.5149	0.12245	4.1825
2.5138	34.50900	22.97000	0.00000	3.3506	2.5197	0.12268	4.1905

Structure: A | Sub-structure: A3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.50900	22.97000	0.00000	3.3506	2.5197	4.1905	-0.12295
0.47280	34.87837	23.26512	0.00000	3.5969	2.7049	4.4985	-0.13199
0.94559	35.24775	23.56025	0.00000	3.8432	2.8901	4.8065	-0.14103
1.4184	35.61713	23.85537	0.00000	4.0895	3.0753	5.1146	-0.15007
1.8912	35.98650	24.15050	0.00000	4.3358	3.2606	5.4226	-0.15910
2.3640	36.35587	24.44563	0.00000	4.5821	3.4458	5.7306	-0.16814
2.8368	36.72525	24.74075	0.00000	4.8284	3.6310	6.0387	-0.17718
3.3096	37.09463	25.03588	0.00000	5.0747	3.8162	6.3467	-0.18622
3.7824	37.46400	25.33100	0.00000	5.3210	4.0014	6.6548	-0.19526

Structure: A | Sub-structure: A4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.46400	25.33100	0.00000	5.3210	4.0014	-0.076211	6.6572
0.48725	37.75238	24.93825	0.00000	5.3180	3.9992	-0.076169	6.6536
0.97450	38.04075	24.54550	0.00000	5.3151	3.9971	-0.076128	6.6499
1.4618	38.32912	24.15275	0.00000	5.3122	3.9949	-0.076086	6.6463
1.9490	38.61750	23.76000	0.00000	5.3093	3.9927	-0.076045	6.6426
2.4363	38.90588	23.36725	0.00000	5.3064	3.9905	-0.076003	6.6390
2.9235	39.19425	22.97450	0.00000	5.3035	3.9883	-0.075961	6.6354
3.4108	39.48262	22.58175	0.00000	5.3006	3.9861	-0.075920	6.6317
3.8980	39.77100	22.18900	0.00000	5.2977	3.9839	-0.075878	6.6281

Structure: A | Sub-structure: A5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.77100	22.18900	0.00000	5.2977	3.9839	-6.6268	0.15291
0.49935	39.37894	21.87975	0.00000	5.0375	3.7883	-6.3013	0.14540
0.99870	38.98687	21.57050	0.00000	4.7774	3.5926	-5.9759	0.13789
1.4980	38.59481	21.26125	0.00000	4.5172	3.3970	-5.6504	0.13038
1.9974	38.20275	20.95200	0.00000	4.2570	3.2013	-5.3250	0.12287
2.4967	37.81069	20.64275	0.00000	3.9968	3.0057	-4.9995	0.11536
2.9961	37.41862	20.33350	0.00000	3.7367	2.8100	-4.6741	0.10786
3.4954	37.02656	20.02425	0.00000	3.4765	2.6144	-4.3487	0.10035
3.9948	36.63450	19.71500	0.00000	3.2163	2.4187	-4.0232	0.092836
4.4941	36.24244	19.40575	0.00000	2.9561	2.2231	-3.6978	0.085326
4.9935	35.85038	19.09650	0.00000	2.6960	2.0274	-3.3723	0.077817
5.4928	35.45831	18.78725	0.00000	2.4929	1.8747	-3.1183	0.071956
5.9922	35.06625	18.47800	0.00000	2.3657	1.7791	-2.9593	0.068285
6.4915	34.67419	18.16875	0.00000	2.2386	1.6834	-2.8002	0.064614

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]
6.9909	34.28213	17.85950	0.00000	2.1114	1.5878	-2.6411
7.4902	33.89006	17.55025	0.00000	1.9842	1.4922	-2.4820
7.9896	33.49800	17.24100	0.00000	1.8570	1.3965	-2.3229
						0.060943
						0.057272
						0.053602

Structure: A | Sub-structure: A6

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	33.49800	17.24100	0.00000	1.8570	1.3965	-0.045679
0.48914	33.19638	17.62608	0.00000	1.8546	1.3947	-0.045619
0.97828	32.89477	18.01115	0.00000	1.8521	1.3928	-0.045559
1.4674	32.59315	18.39623	0.00000	1.8497	1.3910	-0.045499
1.9566	32.29154	18.78131	0.00000	1.8472	1.3891	-0.045438
2.4457	31.98992	19.16638	0.00000	1.8448	1.3873	-0.045378
2.9348	31.68831	19.55146	0.00000	1.8423	1.3855	-0.045318
3.4240	31.38669	19.93654	0.00000	1.8399	1.3836	-0.045258
3.9131	31.08508	20.32162	0.00000	1.8374	1.3818	-0.045197
4.4022	30.78346	20.70669	0.00000	1.8350	1.3799	-0.045137
4.8914	30.48185	21.09177	0.00000	1.8325	1.3781	-0.045077
5.3805	30.18023	21.47685	0.00000	1.8301	1.3763	-0.045017
5.8697	29.87862	21.86192	0.00000	1.8276	1.3744	-0.044956
6.3588	29.57700	22.24700	0.00000	1.8252	1.3726	-0.044896
						-2.3231
						-2.3200
						-2.3170
						-2.3139
						-2.3108
						-2.3078
						-2.3047
						-2.3016
						-2.2986
						-2.2955
						-2.2924
						-2.2894
						-2.2863
						-2.2833

Structure: B | Sub-structure: B1

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	20.51600	5.45800	0.00000	0.0	0.0	0.0
0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0
0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0
1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0
1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0
2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0
2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0
3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0
3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	23.63600	7.79400	0.00000	0.0	0.0	0.0
0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0
0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0
						0.0
						0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	23.07200	8.52400	0.00000	0.0	0.0	0.0
0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0
0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0
1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0
1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0
2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0
2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0
3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0
3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0
4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0
4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0
5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0
						0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	27.18000	11.64800	0.00000	0.0	0.0	0.0
0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0
0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0
1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0
						0.0
						0.0
						0.0
						0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	27.83500	10.78700	0.00000	0.0	0.0	0.0
0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0
0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0
1.4688	29.01377	11.66323	0.00000	0.089982	0.067668	0.11258
1.9584	29.40669	11.95531	0.00000	0.21470	0.16146	0.26864
2.4479	29.79962	12.24738	0.00000	0.33943	0.25525	0.42469
2.9375	30.19254	12.53946	0.00000	0.46415	0.34905	0.58074
3.4271	30.58546	12.83154	0.00000	0.58887	0.44284	0.73679
3.9167	30.97838	13.12362	0.00000	0.71359	0.53663	0.89284
4.4063	31.37131	13.41569	0.00000	0.83832	0.63043	1.0489
4.8959	31.76423	13.70777	0.00000	0.96304	0.72422	1.2049
5.3855	32.15715	13.99985	0.00000	1.0878	0.81801	1.3610
5.8751	32.55008	14.29192	0.00000	1.2125	0.91181	1.5170
6.3647	32.94300	14.58400	0.00000	1.3372	1.0056	1.6731
						626.18E-6
						0.0014941
						0.0023621
						0.0032300
						0.0040979
						0.0049659
						0.0058338
						0.0067018
						0.0075697
						0.0084376
						0.0093056

Structure: B | Sub-structure: B6

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line
						Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
0.0	32.94300	14.58400	0.00000	1.3372	1.0056	0.0081061
0.35614	32.73033	14.86967	0.00000	1.3376	1.0059	0.0081088
0.71227	32.51767	15.15533	0.00000	1.3381	1.0063	0.0081115
1.0684	32.30500	15.44100	0.00000	1.3385	1.0066	0.0081141
						-1.6731
						-1.6737
						-1.6742
						-1.6748

Structure: B | Sub-structure: B7

Dist.	Coordinates			Displacements

	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.30500	15.44100	0.00000	1.3385	1.0066	1.6746	0.023764
0.36690	32.60133	15.65733	0.00000	1.4320	1.0769	1.7915	0.025423
0.73379	32.89767	15.87367	0.00000	1.5254	1.1472	1.9085	0.027082
1.1007	33.19400	16.09000	0.00000	1.6189	1.2174	2.0254	0.028741

Structure: B | Sub-structure: B8

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.19400	16.09000	0.00000	1.6189	1.2174	586.50E-6	-2.0256
0.48246	32.90414	16.47568	0.00000	1.6189	1.2175	586.52E-6	-2.0256
0.96493	32.61427	16.86136	0.00000	1.6190	1.2175	586.53E-6	-2.0257
1.4474	32.32441	17.24705	0.00000	1.6190	1.2175	586.54E-6	-2.0257
1.9299	32.03455	17.63273	0.00000	1.6190	1.2175	586.56E-6	-2.0258
2.4123	31.74468	18.01841	0.00000	1.6191	1.2176	586.57E-6	-2.0258
2.8948	31.45482	18.40409	0.00000	1.6191	1.2176	586.58E-6	-2.0259
3.3772	31.16495	18.78977	0.00000	1.6192	1.2176	586.59E-6	-2.0259
3.8597	30.87509	19.17545	0.00000	1.6192	1.2177	586.61E-6	-2.0259
4.3422	30.58523	19.56114	0.00000	1.6192	1.2177	586.62E-6	-2.0260
4.8246	30.29536	19.94682	0.00000	1.6193	1.2177	586.63E-6	-2.0260
5.3071	30.00550	20.33250	0.00000	1.6193	1.2177	586.65E-6	-2.0261
5.7896	29.71564	20.71818	0.00000	1.6193	1.2178	586.66E-6	-2.0261
6.2720	29.42577	21.10386	0.00000	1.6194	1.2178	586.67E-6	-2.0262
6.7545	29.13591	21.48955	0.00000	1.6194	1.2178	586.68E-6	-2.0262
7.2370	28.84605	21.87523	0.00000	1.6194	1.2178	586.70E-6	-2.0263
7.7194	28.55618	22.26091	0.00000	1.6195	1.2179	586.71E-6	-2.0263
8.2019	28.26632	22.64659	0.00000	1.6122	1.1188	-0.074229	-1.9610
8.6843	27.97645	23.03227	0.00000	1.5985	1.0130	-0.15064	-1.8864
9.1668	27.68659	23.41795	0.00000	1.5786	0.90614	-0.22407	-1.8064
9.6493	27.39673	23.80364	0.00000	1.5525	0.80016	-0.29312	-1.7218
10.132	27.10686	24.18932	0.00000	1.5203	0.69669	-0.35648	-1.6339
10.614	26.81700	24.57500	0.00000	1.4821	0.59723	-0.41303	-1.5436

Structure: B | Sub-structure: B9

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.81700	24.57500	0.00000	1.4821	0.59723	-1.5362	0.43996
0.43274	26.47567	24.30900	0.00000	1.3748	0.58452	-1.4437	0.38401
0.86548	26.13433	24.04300	0.00000	1.2673	0.56617	-1.3476	0.33243
1.2982	25.79300	23.77700	0.00000	1.1597	0.54281	-1.2484	0.28472
1.7310	25.45167	23.51100	0.00000	1.0520	0.51500	-1.1464	0.24044
2.1637	25.11033	23.24500	0.00000	0.94623	0.48044	-1.0417	0.20268
2.5964	24.76900	22.97900	0.00000	0.84455	0.43664	-0.93456	0.17473

Structure: B | Sub-structure: B10

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.76900	22.97900	0.00000	0.84455	0.43664	0.15559	0.93793
0.43530	25.02950	22.63025	0.00000	0.87137	0.48213	0.13519	0.98664
0.87060	25.29000	22.28150	0.00000	0.89486	0.52766	0.11277	1.0327
1.3059	25.55050	21.93275	0.00000	0.91488	0.57273	0.088644	1.0757
1.7412	25.81100	21.58400	0.00000	0.93132	0.61678	0.063188	1.1153

Structure: B | Sub-structure: B11

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	25.81100	21.58400	0.00000	0.93132	0.61678	-1.1138	0.084997
0.47915	25.43280	21.28980	0.00000	0.81211	0.54111	-0.97325	0.071532
0.95831	25.05460	20.99560	0.00000	0.69268	0.46412	-0.83171	0.058968
1.4375	24.67640	20.70140	0.00000	0.57304	0.38595	-0.68928	0.047212
1.9166	24.29820	20.40720	0.00000	0.45322	0.30672	-0.54606	0.036182
2.3958	23.92000	20.11300	0.00000	0.33323	0.22653	-0.40211	0.025807

Structure: B | Sub-structure: B12

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.92000	20.11300	0.00000	0.33323	0.22653	0.025778	0.40211
0.47317	24.21050	19.73950	0.00000	0.34354	0.24475	0.017719	0.42144
0.94635	24.50100	19.36600	0.00000	0.35007	0.26076	0.0090915	0.43642

Structure: B | Sub-structure: B13

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.50100	19.36600	0.00000	0.35007	0.26076	-0.43647	0.0062170
0.45943	24.13650	19.08633	0.00000	0.23320	0.17382	-0.29082	0.0040467
0.91886	23.77200	18.80667	0.00000	0.11630	0.086747	-0.14508	0.0019738
1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0
1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0
2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0
2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0
0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0
0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0
1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0
1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0
2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Structure: B | Sub-structure: B15

0.0	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0
0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0
0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0
1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0
1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0
2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0
2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0
3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0
3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0
4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B16

0.0	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0
0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0
0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0
1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0
1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0
2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0
2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0
3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0
3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0
4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B17

0.0	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0
0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0
0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0
1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0
1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B18

0.0	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0
0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0
0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0
1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B19

0.0	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0
0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0
0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0
1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0
1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0
2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B20

0.0	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0
0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0
0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0
1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0
1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0
2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0
2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0
3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0
3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0
4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0
4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0
5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0

Structure: C | Sub-structure: C1

0.0	36.28600	29.95000	0.00000	4.3589	-5.7962	-7.2513	0.11954
0.45629	36.00578	30.31011	0.00000	4.1655	-5.5390	-6.9296	0.11423
0.91259	35.72556	30.67022	0.00000	3.9771	-5.2885	-6.6162	0.10907
1.3689	35.44533	31.03033	0.00000	3.7935	-5.0444	-6.3108	0.10403
1.8252	35.16511	31.39044	0.00000	3.6145	-4.8063	-6.0129	0.099122
2.2815	34.88489	31.75056	0.00000	3.4397	-4.5740	-5.7223	0.094331
2.7378	34.60467	32.11067	0.00000	3.2691	-4.3471	-5.4384	0.089652
3.1941	34.32444	32.47078	0.00000	3.1024	-4.1254	-5.1610	0.085079
3.6504	34.04422	32.83089	0.00000	2.9393	-3.9085	-4.8897	0.080606
4.1066	33.76400	33.19100	0.00000	2.7796	-3.6961	-4.6240	0.076226

Structure: C | Sub-structure: C2

0.0	33.76400	33.19100	0.00000	2.7796	-3.6961	-0.15032	4.6222
0.48792	33.36471	32.91057	0.00000	2.7741	-3.6888	-0.15002	4.6131
0.97585	32.96543	32.63014	0.00000	2.7686	-3.6815	-0.14973	4.6039

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
1.4638	32.56614	32.34971	0.00000	2.7577	-3.4268	-0.28720	4.3892
1.9517	32.16686	32.06929	0.00000	2.7313	-3.0909	-0.45862	4.0992
2.4396	31.76757	31.78886	0.00000	2.6889	-2.7576	-0.61552	3.8020
2.9275	31.36829	31.50843	0.00000	2.6304	-2.4356	-0.75272	3.5050
3.4155	30.96900	31.22800	0.00000	2.5664	-2.1247	-0.87907	3.2138

Structure: C | Sub-structure: C3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.96900	31.22800	0.00000	2.5664	-2.1247	-3.2138	-0.87879
0.48944	30.68767	31.62850	0.00000	2.4254	-2.0919	-3.1059	-0.78224
0.97887	30.40633	32.02900	0.00000	2.2833	-2.0374	-2.9797	-0.69732
1.4683	30.12500	32.42950	0.00000	2.1409	-1.9655	-2.8389	-0.62204
1.9577	29.84367	32.83000	0.00000	1.9983	-1.8794	-2.6865	-0.55485
2.4472	29.56233	33.23050	0.00000	1.8559	-1.7817	-2.5247	-0.49450
2.9366	29.28100	33.63100	0.00000	1.7137	-1.6742	-2.3551	-0.43995

Structure: C | Sub-structure: C4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.28100	33.63100	0.00000	1.7137	-1.6742	0.36390	-2.3680
0.48464	29.66840	33.92220	0.00000	1.7429	-1.8332	0.29171	-2.5126
0.96928	30.05580	34.21340	0.00000	1.7647	-1.9904	0.21468	-2.6514
1.4539	30.44320	34.50460	0.00000	1.7787	-2.1433	0.13401	-2.7821
1.9386	30.83060	34.79580	0.00000	1.7847	-2.2893	0.051043	-2.9023
2.4232	31.21800	35.08700	0.00000	1.7842	-2.3726	654.96E-6	-2.9686

Structure: C | Sub-structure: C5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.21800	35.08700	0.00000	1.7842	-2.3726	-1.2000	-2.7152
0.42208	31.42400	35.45540	0.00000	1.7313	-2.3022	-1.1644	-2.6347
0.84417	31.63000	35.82380	0.00000	1.6786	-2.2321	-1.1290	-2.5545
1.2663	31.83600	36.19220	0.00000	1.6261	-2.1623	-1.0936	-2.4746
1.6883	32.04200	36.56060	0.00000	1.5738	-2.0927	-1.0585	-2.3950
2.1104	32.24800	36.92900	0.00000	1.5217	-2.0234	-1.0234	-2.3157

Structure: C | Sub-structure: C6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.24800	36.92900	0.00000	1.5217	-2.0234	0.026436	-2.5316
0.46414	32.62185	37.20408	0.00000	1.5231	-2.0254	0.026462	-2.5341
0.92829	32.99569	37.47915	0.00000	1.5246	-2.0274	0.026488	-2.5365
1.3924	33.36954	37.75423	0.00000	1.5261	-2.0293	0.026513	-2.5390
1.8566	33.74338	38.02931	0.00000	1.5276	-2.0313	0.026539	-2.5415
2.3207	34.11723	38.30438	0.00000	1.5291	-2.0333	0.026565	-2.5439
2.7849	34.49108	38.57946	0.00000	1.5305	-2.0352	0.026590	-2.5464
3.2490	34.86492	38.85454	0.00000	1.5320	-2.0372	0.026616	-2.5488
3.7131	35.23877	39.12962	0.00000	1.5335	-2.0392	0.026642	-2.5513
4.1773	35.61262	39.40469	0.00000	1.5350	-2.0411	0.026668	-2.5538
4.6414	35.98646	39.67977	0.00000	1.5365	-2.0431	0.026693	-2.5562
5.1056	36.36031	39.95485	0.00000	1.5379	-2.0451	0.026719	-2.5587
5.5697	36.73415	40.22992	0.00000	1.5394	-2.0470	0.026745	-2.5611
6.0339	37.10800	40.50500	0.00000	1.5409	-2.0490	0.026770	-2.5636

Structure: C | Sub-structure: C7

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.10800	40.50500	0.00000	1.5409	-2.0490	2.5636	0.025287
0.44342	37.37100	40.14800	0.00000	1.6769	-2.2298	2.7899	0.027519

Structure: C | Sub-structure: C8

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.37100	40.14800	0.00000	1.6769	-2.2298	0.028750	-2.7899
0.49716	37.77140	40.44270	0.00000	1.6785	-2.2319	0.028777	-2.7925
0.99432	38.17180	40.73740	0.00000	1.6801	-2.2341	0.028805	-2.7951
1.4915	38.57220	41.03210	0.00000	1.6816	-2.2362	0.028832	-2.7978
1.9886	38.97260	41.32680	0.00000	1.6832	-2.2383	0.028859	-2.8004
2.4858	39.37300	41.62150	0.00000	1.6848	-2.2404	0.028886	-2.8030
2.9830	39.77340	41.91620	0.00000	1.6864	-2.2425	0.028913	-2.8056
3.4801	40.17380	42.21090	0.00000	1.6880	-2.2446	0.028940	-2.8083
3.9773	40.57420	42.50560	0.00000	1.6895	-2.2467	0.028967	-2.8109
4.4744	40.97460	42.80030	0.00000	1.6911	-2.2488	0.028994	-2.8135
4.9716	41.37500	43.09500	0.00000	1.6927	-2.2509	0.029021	-2.8162

Structure: C | Sub-structure: C9

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.37500	43.09500	0.00000	1.6927	-2.2509	2.8162	0.029241
0.43642	41.63367	42.74350	0.00000	1.8281	-2.4309	3.0414	0.031580
0.87284	41.89233	42.39200	0.00000	1.9651	-2.6131	3.2694	0.033947
1.3093	42.15100	42.04050	0.00000	2.1039	-2.7977	3.5003	0.036344
1.7457	42.40967	41.68900	0.00000	2.2447	-2.9849	3.7345	0.038777
2.1821	42.66833	41.33750	0.00000	2.3877	-3.1750	3.9724	0.041246
2.6185	42.92700	40.98600	0.00000	2.5331	-3.3683	4.2143	0.043758

Structure: C | Sub-structure: C10

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.92700	40.98600	0.00000	2.5331	-3.3683	-0.043335	4.2143
0.41162	42.59550	40.74200	0.00000	2.5316	-3.3664	-0.043311	4.2119
0.82323	42.26400	40.49800	0.00000	2.5302	-3.3645	-0.043287	4.2095

Structure: C | Sub-structure: C11

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.26400	40.49800	0.00000	2.5302	-3.3645	4.2095	0.044297
0.49410	42.55680	40.10000	0.00000	2.6979	-3.5875	4.4885	0.047232
0.98820	42.84960	39.70200	0.00000	2.8691	-3.8152	4.7734	0.050230
1.4823	43.14240	39.30400	0.00000	3.0443	-4.0481	5.0648	0.053297
1.9764	43.43520	38.90600	0.00000	3.2236	-4.2866	5.3631	0.056436
2.4705	43.72800	38.50800	0.00000	3.4074	-4.5310	5.6689	0.059654
2.9646	44.02080	38.11000	0.00000	3.5959	-4.7817	5.9826	0.062955
3.4587	44.31360	37.71200	0.00000	3.7895	-5.0391	6.3047	0.066344
3.9528	44.60640	37.31400	0.00000	3.9885	-5.3036	6.6356	0.069827
4.4469	44.89920	36.91600	0.00000	4.1930	-5.5756	6.9759	0.073408
4.9410	45.19200	36.51800	0.00000	4.4035	-5.8555	7.3261	0.077092

Structure: C | Sub-structure: C12

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	45.19200	36.51800	0.00000	4.4035	-5.8555	-0.068534	7.3261
0.48113	44.80478	36.23243	0.00000	4.4015	-5.8529	-0.068504	7.3229
0.96226	44.41757	35.94687	0.00000	4.3996	-5.8503	-0.068473	7.3197
1.4434	44.03035	35.66130	0.00000	4.3976	-5.8477	-0.068443	7.3164
1.9245	43.64313	35.37574	0.00000	4.3957	-5.8451	-0.068413	7.3132
2.4056	43.25591	35.09017	0.00000	4.3937	-5.8426	-0.068383	7.3100
2.8868	42.86870	34.80461	0.00000	4.3918	-5.8400	-0.068353	7.3067
3.3679	42.48148	34.51904	0.00000	4.3899	-5.8374	-0.068322	7.3035
3.8490	42.09426	34.23348	0.00000	4.3879	-5.8348	-0.068292	7.3003
4.3302	41.70704	33.94791	0.00000	4.3860	-5.8322	-0.068262	7.2971
4.8113	41.31983	33.66235	0.00000	4.3840	-5.8297	-0.068232	7.2938
5.2924	40.93261	33.37678	0.00000	4.3821	-5.8271	-0.068202	7.2906
5.7735	40.54539	33.09122	0.00000	4.3802	-5.8245	-0.068171	7.2874
6.2547	40.15817	32.80565	0.00000	4.3782	-5.8219	-0.068141	7.2842
6.7358	39.77096	32.52009	0.00000	4.3763	-5.8193	-0.068111	7.2809
7.2169	39.38374	32.23452	0.00000	4.3743	-5.8168	-0.068081	7.2777
7.6981	38.99652	31.94896	0.00000	4.3724	-5.8142	-0.068051	7.2745
8.1792	38.60930	31.66339	0.00000	4.3705	-5.8116	-0.068021	7.2713
8.6603	38.22209	31.37783	0.00000	4.3685	-5.8090	-0.067990	7.2680
9.1414	37.83487	31.09226	0.00000	4.3666	-5.8065	-0.067960	7.2648
9.6226	37.44765	30.80670	0.00000	4.3647	-5.8039	-0.067930	7.2616
10.104	37.06043	30.52113	0.00000	4.3627	-5.8013	-0.067900	7.2584
10.585	36.67322	30.23557	0.00000	4.3608	-5.7988	-0.067870	7.2552
11.066	36.28600	29.95000	0.00000	4.3589	-5.7962	-0.067840	7.2520

Structure: D | Sub-structure: D1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.55900	34.85000	0.00000	1.0936	-1.0110	-1.4618	-0.28483
0.48439	27.27278	35.24078	0.00000	0.95615	-0.88737	-1.2809	-0.24703
0.96877	26.98656	35.63156	0.00000	0.81838	-0.75851	-1.0955	-0.21203
1.4532	26.70033	36.02233	0.00000	0.71775	-0.67481	-0.96852	-0.18030
1.9375	26.41411	36.41311	0.00000	0.62209	-0.59395	-0.84676	-0.15091
2.4219	26.12789	36.80389	0.00000	0.52664	-0.50998	-0.72262	-0.12352
2.9063	25.84167	37.19467	0.00000	0.43138	-0.42323	-0.59634	-0.097932
3.3907	25.55544	37.58544	0.00000	0.33630	-0.33395	-0.46814	-0.073977
3.8751	25.26922	37.97622	0.00000	0.24138	-0.24239	-0.33818	-0.051501
4.3595	24.98300	38.36700	0.00000	0.14660	-0.14876	-0.20663	-0.030367

Structure: D | Sub-structure: D2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.98300	38.36700	0.00000	0.14660	-0.14876	-0.030332	0.20664
0.49046	24.58738	38.07712	0.00000	0.12668	-0.12211	-0.030011	0.17337
0.98091	24.19175	37.78725	0.00000	0.10349	-0.094647	-0.027541	0.13751
1.4714	23.79613	37.49737	0.00000	0.077062	-0.066776	-0.022695	0.099411
1.9618	23.40050	37.20750	0.00000	0.047420	-0.038880	-0.015272	0.059390
2.4523	23.00488	36.91763	0.00000	0.014604	-0.011314	-0.0050933	0.017758
2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0
3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0
3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0
0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0
0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0
1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0
1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0
2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0
2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0
3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0
0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0
0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0
1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0
1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0
2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0
2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0
3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0
3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0
4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0
4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0
5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0
5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0
6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0
7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0
7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0
8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0
8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0
9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0
9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0
10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0
10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0
11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0
11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0
12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0
12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0
13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0
13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0
14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0
14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0
15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0
15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0
16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0
0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0
0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0
1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0
1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0
2.2088	34.17057	46.39429	0.00000	0.020195	-0.026855	0.033600	265.13E-6
2.6505	34.43329	46.03914	0.00000	0.10482	-0.13939	0.17440	0.0013762
3.0923	34.69600	45.68400	0.00000	0.18945	-0.25192	0.31520	0.0024872

Structure: D | Sub-structure: D6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.69600	45.68400	0.00000	0.18945	-0.25192	-0.0025265	0.31520
0.38681	34.38500	45.45400	0.00000	0.18886	-0.25113	-0.0025186	0.31421
0.77362	34.07400	45.22400	0.00000	0.18826	-0.25034	-0.0025106	0.31322
1.1604	33.76300	44.99400	0.00000	0.18767	-0.24955	-0.0025027	0.31223

Structure: D | Sub-structure: D7

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76300	44.99400	0.00000	0.18767	-0.24955	0.31223	0.0030586
0.45636	34.03370	44.62660	0.00000	0.27509	-0.36581	0.45768	0.0044835
0.91271	34.30440	44.25920	0.00000	0.36252	-0.48206	0.60313	0.0059083
1.3691	34.57510	43.89180	0.00000	0.44994	-0.59831	0.74858	0.0073332
1.8254	34.84580	43.52440	0.00000	0.53737	-0.71456	0.89403	0.0087580
2.2818	35.11650	43.15700	0.00000	0.62479	-0.83081	1.0395	0.010183
2.7381	35.38720	42.78960	0.00000	0.71222	-0.94707	1.1849	0.011608
3.1945	35.65790	42.42220	0.00000	0.81920	-1.0893	1.3629	0.013351
3.6509	35.92860	42.05480	0.00000	0.95502	-1.2699	1.5889	0.015565
4.1072	36.19930	41.68740	0.00000	1.0911	-1.4509	1.8154	0.017783
4.5636	36.47000	41.32000	0.00000	1.2278	-1.6327	2.0427	0.020011

Structure: D | Sub-structure: D8

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.47000	41.32000	0.00000	1.2278	-1.6327	-0.034290	2.0425
0.47879	36.08257	41.03870	0.00000	1.2254	-1.6295	-0.034222	2.0385
0.95758	35.69513	40.75739	0.00000	1.2230	-1.6263	-0.034155	2.0345
1.4364	35.30770	40.47609	0.00000	1.2206	-1.6230	-0.034088	2.0305
1.9152	34.92026	40.19478	0.00000	1.2182	-1.6198	-0.034020	2.0265
2.3939	34.53283	39.91348	0.00000	1.2157	-1.6166	-0.033953	2.0225
2.8727	34.14539	39.63217	0.00000	1.2133	-1.6134	-0.033886	2.0185
3.3515	33.75796	39.35087	0.00000	1.2109	-1.6102	-0.033818	2.0144
3.8303	33.37052	39.06957	0.00000	1.2085	-1.6070	-0.033751	2.0104
4.3091	32.98309	38.78826	0.00000	1.2061	-1.6038	-0.033683	2.0064
4.7879	32.59565	38.50696	0.00000	1.2037	-1.6006	-0.033616	2.0024
5.2667	32.20822	38.22565	0.00000	1.2013	-1.5974	-0.033549	1.9984
5.7455	31.82078	37.94435	0.00000	1.1989	-1.5942	-0.033482	1.9944
6.2242	31.43335	37.66304	0.00000	1.1965	-1.5910	-0.033414	1.9904
6.7030	31.04591	37.38174	0.00000	1.1940	-1.5878	-0.033347	1.9864
7.1818	30.65848	37.10043	0.00000	1.1916	-1.5846	-0.033280	1.9824
7.6606	30.27104	36.81913	0.00000	1.1892	-1.5814	-0.033212	1.9784
8.1394	29.88361	36.53783	0.00000	1.1868	-1.5780	-0.033262	1.9742
8.6182	29.49617	36.25652	0.00000	1.1867	-1.4957	-0.081480	1.9075
9.0970	29.10874	35.97522	0.00000	1.1801	-1.4066	-0.12853	1.8316
9.5758	28.72130	35.69391	0.00000	1.1674	-1.3122	-0.17367	1.7477
10.055	28.33387	35.41261	0.00000	1.1485	-1.2139	-0.21620	1.6571
10.533	27.94643	35.13130	0.00000	1.1239	-1.1131	-0.25547	1.5610
11.012	27.55900	34.85000	0.00000	1.0936	-1.0110	-0.29091	1.4606

Specific Building Damage Results - Vertical Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	29.57700	22.24700	0.00000	0.89047
0.47829	29.95067	22.54556	0.00000	1.0388
0.95658	30.32433	22.84411	0.00000	1.1956
1.4349	30.69800	23.14267	0.00000	1.3585
1.9132	31.07167	23.44122	0.00000	1.5246
2.3915	31.44533	23.73978	0.00000	1.6906
2.8697	31.81900	24.03833	0.00000	1.8551
3.3480	32.19267	24.33689	0.00000	2.0328
3.8263	32.56633	24.63544	0.00000	2.1985
4.3046	32.94000	24.93400	0.00000	2.3595

Structure: A | Sub-structure: A2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.94000	24.93400	0.00000	2.3595

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
0.41896	33.20150	24.60667	0.00000	2.3636
0.83792	33.46300	24.27933	0.00000	2.3677
1.2569	33.72450	23.95200	0.00000	2.3718
1.6758	33.98600	23.62467	0.00000	2.3759
2.0948	34.24750	23.29733	0.00000	2.3800
2.5138	34.50900	22.97000	0.00000	2.3841

Structure: A | Sub-structure: A3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	34.50900	22.97000	0.00000	2.3841
0.47280	34.87837	23.26512	0.00000	2.5430
0.94559	35.24775	23.56025	0.00000	2.7029
1.4184	35.61713	23.85537	0.00000	2.8622
1.8912	35.98650	24.15050	0.00000	3.0164
2.3640	36.35587	24.44563	0.00000	3.1584
2.8368	36.72525	24.74075	0.00000	3.2784
3.3096	37.09463	25.03588	0.00000	3.3637
3.7824	37.46400	25.33100	0.00000	3.3989

Structure: A | Sub-structure: A4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.46400	25.33100	0.00000	3.3989
0.48725	37.75238	24.93825	0.00000	3.3988
0.97450	38.04075	24.54550	0.00000	3.3987
1.4618	38.32912	24.15275	0.00000	3.3987
1.9490	38.61750	23.76000	0.00000	3.3986
2.4363	38.90588	23.36725	0.00000	3.3985
2.9235	39.19425	22.97450	0.00000	3.3984
3.4108	39.48262	22.58175	0.00000	3.3983
3.8980	39.77100	22.18900	0.00000	3.3982

Structure: A | Sub-structure: A5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	39.77100	22.18900	0.00000	3.3982
0.49935	39.37894	21.87975	0.00000	3.3536
0.99870	38.98687	21.57050	0.00000	3.2560
1.4980	38.59481	21.26125	0.00000	3.1227
1.9974	38.20275	20.95200	0.00000	2.9680
2.4967	37.81069	20.64275	0.00000	2.8026
2.9961	37.41862	20.33350	0.00000	2.6337
3.4954	37.02656	20.02425	0.00000	2.4652
3.9948	36.63450	19.71500	0.00000	2.2977
4.4941	36.24244	19.40575	0.00000	2.1283
4.9935	35.85038	19.09650	0.00000	1.9507
5.4928	35.45831	18.78725	0.00000	1.7695
5.9922	35.06625	18.47800	0.00000	1.5976
6.4915	34.67419	18.16875	0.00000	1.4238
6.9909	34.28213	17.85950	0.00000	1.2521
7.4902	33.89006	17.55025	0.00000	1.0859
7.9896	33.49800	17.24100	0.00000	0.92831

Structure: A | Sub-structure: A6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.49800	17.24100	0.00000	0.92831
0.48914	33.19638	17.62608	0.00000	0.92537
0.97828	32.89477	18.01115	0.00000	0.92244
1.4674	32.59315	18.39623	0.00000	0.91952
1.9566	32.29154	18.78131	0.00000	0.91659
2.4457	31.98992	19.16638	0.00000	0.91367
2.9348	31.68831	19.55146	0.00000	0.91076
3.4240	31.38669	19.93654	0.00000	0.90785
3.9131	31.08508	20.32162	0.00000	0.90494
4.4022	30.78346	20.70669	0.00000	0.90204
4.8914	30.48185	21.09177	0.00000	0.89914
5.3805	30.18023	21.47685	0.00000	0.89625
5.8697	29.87862	21.86192	0.00000	0.89336
6.3588	29.57700	22.24700	0.00000	0.89047

Structure: B | Sub-structure: B1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.51600	5.45800	0.00000	0.0
0.48720	20.90600	5.75000	0.00000	0.0
0.97440	21.29600	6.04200	0.00000	0.0
1.4616	21.68600	6.33400	0.00000	0.0
1.9488	22.07600	6.62600	0.00000	0.0
2.4360	22.46600	6.91800	0.00000	0.0
2.9232	22.85600	7.21000	0.00000	0.0
3.4104	23.24600	7.50200	0.00000	0.0
3.8976	23.63600	7.79400	0.00000	0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.63600	7.79400	0.00000	0.0
0.46125	23.35400	8.15900	0.00000	0.0
0.92249	23.07200	8.52400	0.00000	0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.07200	8.52400	0.00000	0.0
0.46917	23.44545	8.80800	0.00000	0.0
0.93835	23.81891	9.09200	0.00000	0.0
1.4075	24.19236	9.37600	0.00000	0.0
1.8767	24.56582	9.66000	0.00000	0.0
2.3459	24.93927	9.94400	0.00000	0.0
2.8150	25.31273	10.22800	0.00000	0.0
3.2842	25.68618	10.51200	0.00000	0.0
3.7534	26.05964	10.79600	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
4.2226	26.43309	11.08000	0.00000	0.0
4.6917	26.80655	11.36400	0.00000	0.0
5.1609	27.18000	11.64800	0.00000	0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.18000	11.64800	0.00000	0.0
0.36061	27.39833	11.36100	0.00000	0.0
0.72122	27.61667	11.07400	0.00000	0.0
1.0818	27.83500	10.78700	0.00000	0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.83500	10.78700	0.00000	0.0
0.48959	28.22792	11.07908	0.00000	0.0
0.97918	28.62085	11.37115	0.00000	0.0
1.4688	29.01377	11.66323	0.00000	0.023478
1.9584	29.40669	11.95531	0.00000	0.044447
2.4479	29.79962	12.24738	0.00000	0.060795
2.9375	30.19254	12.53946	0.00000	0.076623
3.4271	30.58546	12.83154	0.00000	0.095542
3.9167	30.97838	13.12362	0.00000	0.12068
4.4063	31.37131	13.41569	0.00000	0.15469
4.8959	31.76423	13.70777	0.00000	0.19972
5.3855	32.15715	13.99985	0.00000	0.25745
5.8751	32.55008	14.29192	0.00000	0.32907
6.3647	32.94300	14.58400	0.00000	0.41530

Structure: B | Sub-structure: B6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.94300	14.58400	0.00000	0.41530
0.35614	32.73033	14.86967	0.00000	0.41563
0.71227	32.51767	15.15533	0.00000	0.41596
1.0684	32.30500	15.44100	0.00000	0.41629

Structure: B | Sub-structure: B7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.30500	15.44100	0.00000	0.41629
0.36690	32.60133	15.65733	0.00000	0.49073
0.73379	32.89767	15.87367	0.00000	0.57343
1.1007	33.19400	16.09000	0.00000	0.66412

Structure: B | Sub-structure: B8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.19400	16.09000	0.00000	0.66412
0.48246	32.90414	16.47568	0.00000	0.66416
0.96493	32.61427	16.86136	0.00000	0.66420
1.4474	32.32441	17.24705	0.00000	0.66423
1.9299	32.03455	17.63273	0.00000	0.66427
2.4123	31.74468	18.01841	0.00000	0.66430
2.8948	31.45482	18.40409	0.00000	0.66434
3.3772	31.16495	18.78977	0.00000	0.66438
3.8597	30.87509	19.17545	0.00000	0.66441
4.3422	30.58523	19.56114	0.00000	0.66445
4.8246	30.29536	19.94682	0.00000	0.66448
5.3071	30.00550	20.33250	0.00000	0.66452
5.7896	29.71564	20.71818	0.00000	0.66456
6.2720	29.42577	21.10386	0.00000	0.66459
6.7545	29.13591	21.48955	0.00000	0.66463
7.2370	28.84605	21.87523	0.00000	0.66466
7.7194	28.55618	22.26091	0.00000	0.66470
8.2019	28.26632	22.64659	0.00000	0.70068
8.6843	27.97645	23.03227	0.00000	0.73147
9.1668	27.68659	23.41795	0.00000	0.75505
9.6493	27.39673	23.80364	0.00000	0.77117
10.132	27.10686	24.18932	0.00000	0.77974
10.614	26.81700	24.57500	0.00000	0.78088

Structure: B | Sub-structure: B9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	26.81700	24.57500	0.00000	0.78088
0.43274	26.47567	24.30900	0.00000	0.66551
0.86548	26.13433	24.04300	0.00000	0.56226
1.2982	25.79300	23.77700	0.00000	0.47112
1.7310	25.45167	23.51100	0.00000	0.39184
2.1637	25.11033	23.24500	0.00000	0.32391
2.5964	24.76900	22.97900	0.00000	0.26657

Structure: B | Sub-structure: B10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.76900	22.97900	0.00000	0.26657
0.43530	25.02950	22.63025	0.00000	0.26186
0.87060	25.29000	22.28150	0.00000	0.25487
1.3059	25.55050	21.93275	0.00000	0.24563
1.7412	25.81100	21.58400	0.00000	0.23419

Structure: B | Sub-structure: B11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	25.81100	21.58400	0.00000	0.23419
0.47915	25.43280	21.28980	0.00000	0.18491
0.95831	25.05460	20.99560	0.00000	0.14641

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
1.4375	24.67640	20.70140	0.00000	0.11661
1.9166	24.29820	20.40720	0.00000	0.092987
2.3958	23.92000	20.11300	0.00000	0.072572

Structure: B | Sub-structure: B12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	23.92000	20.11300	0.00000	0.072572
0.47317	24.21050	19.73950	0.00000	0.068390
0.94635	24.50100	19.36600	0.00000	0.063414

Structure: B | Sub-structure: B13

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.50100	19.36600	0.00000	0.063414
0.45943	24.13650	19.08633	0.00000	0.047867
0.91886	23.77200	18.80667	0.00000	0.028887
1.3783	23.40750	18.52700	0.00000	0.0
1.8377	23.04300	18.24733	0.00000	0.0
2.2971	22.67850	17.96767	0.00000	0.0
2.7566	22.31400	17.68800	0.00000	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	22.31400	17.68800	0.00000	0.0
0.44350	22.04420	18.04000	0.00000	0.0
0.88701	21.77440	18.39200	0.00000	0.0
1.3305	21.50460	18.74400	0.00000	0.0
1.7740	21.23480	19.09600	0.00000	0.0
2.2175	20.96500	19.44800	0.00000	0.0

Structure: B | Sub-structure: B15

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.96500	19.44800	0.00000	0.0
0.49138	20.57211	19.15289	0.00000	0.0
0.98276	20.17922	18.85778	0.00000	0.0
1.4741	19.78633	18.56267	0.00000	0.0
1.9655	19.39344	18.26756	0.00000	0.0
2.4569	19.00056	17.97244	0.00000	0.0
2.9483	18.60767	17.67733	0.00000	0.0
3.4396	18.21478	17.38222	0.00000	0.0
3.9310	17.82189	17.08711	0.00000	0.0
4.4224	17.42900	16.79200	0.00000	0.0

Structure: B | Sub-structure: B16

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	17.42900	16.79200	0.00000	0.0
0.49346	17.71689	16.39122	0.00000	0.0
0.98692	18.00478	15.99044	0.00000	0.0
1.4804	18.29267	15.58967	0.00000	0.0
1.9738	18.58056	15.18889	0.00000	0.0
2.4673	18.86844	14.78811	0.00000	0.0
2.9608	19.15633	14.38733	0.00000	0.0
3.4542	19.44422	13.98656	0.00000	0.0
3.9477	19.73211	13.58578	0.00000	0.0
4.4411	20.02000	13.18500	0.00000	0.0

Structure: B | Sub-structure: B17

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	20.02000	13.18500	0.00000	0.0
0.48838	19.64200	12.87575	0.00000	0.0
0.97677	19.26400	12.56650	0.00000	0.0
1.4652	18.88600	12.25725	0.00000	0.0
1.9535	18.50800	11.94800	0.00000	0.0

Structure: B | Sub-structure: B18

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	18.50800	11.94800	0.00000	0.0
0.43983	18.77567	11.59900	0.00000	0.0
0.87965	19.04333	11.25000	0.00000	0.0
1.3195	19.31100	10.90100	0.00000	0.0

Structure: B | Sub-structure: B19

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.31100	10.90100	0.00000	0.0
0.47300	18.93320	10.61640	0.00000	0.0
0.94600	18.55540	10.33180	0.00000	0.0
1.4190	18.17760	10.04720	0.00000	0.0
1.8920	17.79980	9.76260	0.00000	0.0
2.3650	17.42200	9.47800	0.00000	0.0

Structure: B | Sub-structure: B20

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	17.42200	9.47800	0.00000	0.0
0.46116	17.70327	9.11255	0.00000	0.0
0.92233	17.98455	8.74709	0.00000	0.0
1.3835	18.26582	8.38164	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
1.8447	18.54709	8.01618	0.00000	0.0
2.3058	18.82836	7.65073	0.00000	0.0
2.7670	19.10964	7.28527	0.00000	0.0
3.2281	19.39091	6.91982	0.00000	0.0
3.6893	19.67218	6.55436	0.00000	0.0
4.1505	19.95345	6.18891	0.00000	0.0
4.6116	20.23473	5.82345	0.00000	0.0
5.0728	20.51600	5.45800	0.00000	0.0

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.28600	29.95000	0.00000	5.1389
0.45629	36.00578	30.31011	0.00000	5.1822
0.91259	35.72556	30.67022	0.00000	5.1698
1.3689	35.44533	31.03033	0.00000	5.1087
1.8252	35.16511	31.39044	0.00000	5.0054
2.2815	34.88489	31.75056	0.00000	4.8660
2.7378	34.60467	32.11067	0.00000	4.6965
3.1941	34.32444	32.47078	0.00000	4.5021
3.6504	34.04422	32.83089	0.00000	4.2879
4.1066	33.76400	33.19100	0.00000	4.0587

Structure: C | Sub-structure: C2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.76400	33.19100	0.00000	4.0587
0.48792	33.36471	32.91057	0.00000	4.0505
0.97585	32.96543	32.63014	0.00000	4.0423
1.4638	32.56614	32.34971	0.00000	3.9410
1.9517	32.16686	32.06929	0.00000	3.7951
2.4396	31.76757	31.78886	0.00000	3.6333
2.9275	31.36829	31.50843	0.00000	3.4579
3.4155	30.96900	31.22800	0.00000	3.2736

Structure: C | Sub-structure: C3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	30.96900	31.22800	0.00000	3.2736
0.48944	30.68767	31.62850	0.00000	3.0876
0.97887	30.40633	32.02900	0.00000	2.8889
1.4683	30.12500	32.42950	0.00000	2.6822
1.9577	29.84367	32.83000	0.00000	2.4719
2.4472	29.56233	33.23050	0.00000	2.2619
2.9366	29.28100	33.63100	0.00000	2.0553

Structure: C | Sub-structure: C4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	29.28100	33.63100	0.00000	2.0553
0.48464	29.66840	33.92220	0.00000	2.1548
0.96928	30.05580	34.21340	0.00000	2.2450
1.4539	30.44320	34.50460	0.00000	2.3245
1.9386	30.83060	34.79580	0.00000	2.3918
2.4232	31.21800	35.08700	0.00000	2.4259

Structure: C | Sub-structure: C5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	31.21800	35.08700	0.00000	2.4259
0.42208	31.42400	35.45540	0.00000	2.3398
0.84417	31.63000	35.82380	0.00000	2.2549
1.2663	31.83600	36.19220	0.00000	2.1714
1.6883	32.04200	36.56060	0.00000	2.0895
2.1104	32.24800	36.92900	0.00000	2.0090

Structure: C | Sub-structure: C6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.24800	36.92900	0.00000	2.0090
0.46414	32.62185	37.20408	0.00000	2.0113
0.92829	32.99569	37.47915	0.00000	2.0136
1.3924	33.36954	37.75423	0.00000	2.0158
1.8566	33.74338	38.02931	0.00000	2.0181
2.3207	34.11723	38.30438	0.00000	2.0204
2.7849	34.49108	38.57946	0.00000	2.0226
3.2490	34.86492	38.85454	0.00000	2.0249
3.7131	35.23877	39.12962	0.00000	2.0272
4.1773	35.61262	39.40469	0.00000	2.0295
4.6414	35.98646	39.67977	0.00000	2.0317
5.1056	36.36031	39.95485	0.00000	2.0340
5.5697	36.73415	40.22992	0.00000	2.0363
6.0339	37.10800	40.50500	0.00000	2.0386

Structure: C | Sub-structure: C7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.10800	40.50500	0.00000	2.0386
0.44342	37.37100	40.14800	0.00000	2.2522

Structure: C | Sub-structure: C8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.37100	40.14800	0.00000	2.2522
0.49716	37.77140	40.44270	0.00000	2.2547
0.99432	38.17180	40.73740	0.00000	2.2573
1.4915	38.57220	41.03210	0.00000	2.2598
1.9886	38.97260	41.32680	0.00000	2.2623
2.4858	39.37300	41.62150	0.00000	2.2648

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
2.9830	39.77340	41.91620	0.00000	2.2674
3.4801	40.17380	42.21090	0.00000	2.2699
3.9773	40.57420	42.50560	0.00000	2.2724
4.4744	40.97460	42.80030	0.00000	2.2750
4.9716	41.37500	43.09500	0.00000	2.2775

Structure: C | Sub-structure: C9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	41.37500	43.09500	0.00000	2.2775
0.43642	41.63367	42.74350	0.00000	2.4981
0.87284	41.89233	42.39200	0.00000	2.7262
1.3093	42.15100	42.04050	0.00000	2.9602
1.7457	42.40967	41.68900	0.00000	3.1981
2.1821	42.66833	41.33750	0.00000	3.4373
2.6185	42.92700	40.98600	0.00000	3.6754

Structure: C | Sub-structure: C10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	42.92700	40.98600	0.00000	3.6754
0.41162	42.59550	40.74200	0.00000	3.6731
0.82323	42.26400	40.49800	0.00000	3.6708

Structure: C | Sub-structure: C11

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	42.26400	40.49800	0.00000	3.6708
0.49410	42.55680	40.10000	0.00000	3.9351
0.98820	42.84960	39.70200	0.00000	4.1894
1.4823	43.14240	39.30400	0.00000	4.4283
1.9764	43.43520	38.90600	0.00000	4.6461
2.4705	43.72800	38.50800	0.00000	4.8363
2.9646	44.02080	38.11000	0.00000	4.9924
3.4587	44.31360	37.71200	0.00000	5.1069
3.9528	44.60640	37.31400	0.00000	5.1720
4.4469	44.89920	36.91600	0.00000	5.1795
4.9410	45.19200	36.51800	0.00000	5.1206

Structure: C | Sub-structure: C12

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	45.19200	36.51800	0.00000	5.1206
0.48113	44.80478	36.23243	0.00000	5.1215
0.96226	44.41757	35.94687	0.00000	5.1223
1.4434	44.03035	35.66130	0.00000	5.1232
1.9245	43.64313	35.37574	0.00000	5.1240
2.4056	43.25591	35.09017	0.00000	5.1249
2.8868	42.86870	34.80461	0.00000	5.1257
3.3679	42.48148	34.51904	0.00000	5.1265
3.8490	42.09426	34.23348	0.00000	5.1274
4.3302	41.70704	33.94791	0.00000	5.1282
4.8113	41.31983	33.66235	0.00000	5.1290
5.2924	40.93261	33.37678	0.00000	5.1298
5.7735	40.54539	33.09122	0.00000	5.1306
6.2547	40.15817	32.80565	0.00000	5.1314
6.7358	39.77096	32.52009	0.00000	5.1322
7.2169	39.38374	32.23452	0.00000	5.1329
7.6981	38.99652	31.94896	0.00000	5.1337
8.1792	38.60930	31.66339	0.00000	5.1345
8.6603	38.22209	31.37783	0.00000	5.1352
9.1414	37.83487	31.09226	0.00000	5.1360
9.6226	37.44765	30.80670	0.00000	5.1367
10.104	37.06043	30.52113	0.00000	5.1375
10.585	36.67322	30.23557	0.00000	5.1382
11.066	36.28600	29.95000	0.00000	5.1389

Structure: D | Sub-structure: D1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.55900	34.85000	0.00000	1.1938
0.48439	27.27278	35.24078	0.00000	1.0480
0.96877	26.98656	35.63156	0.00000	0.91298
1.4532	26.70033	36.02233	0.00000	0.78823
1.9375	26.41411	36.41311	0.00000	0.67284
2.4219	26.12789	36.80389	0.00000	0.56539
2.9063	25.84167	37.19467	0.00000	0.46401
3.3907	25.55544	37.58544	0.00000	0.36632
3.8751	25.26922	37.97622	0.00000	0.26953
4.3595	24.98300	38.36700	0.00000	0.17032

Structure: D | Sub-structure: D2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.98300	38.36700	0.00000	0.17032
0.49046	24.58738	38.07712	0.00000	0.14527
0.98091	24.19175	37.78725	0.00000	0.11761
1.4714	23.79613	37.49737	0.00000	0.087370
1.9618	23.40050	37.20750	0.00000	0.054462
2.4523	23.00488	36.91763	0.00000	0.018718
2.9427	22.60925	36.62775	0.00000	0.0
3.4332	22.21363	36.33788	0.00000	0.0
3.9236	21.81800	36.04800	0.00000	0.0

Structure: D | Sub-structure: D3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	21.81800	36.04800	0.00000	0.0
0.47627	21.54300	36.43686	0.00000	0.0
0.95254	21.26800	36.82571	0.00000	0.0
1.4288	20.99300	37.21457	0.00000	0.0
1.9051	20.71800	37.60343	0.00000	0.0
2.3814	20.44300	37.99229	0.00000	0.0
2.8576	20.16800	38.38114	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
3.3339	19.89300	38.77000	0.00000	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	19.89300	38.77000	0.00000	0.0
0.48525	20.28585	39.05485	0.00000	0.0
0.97050	20.67870	39.33970	0.00000	0.0
1.4558	21.07155	39.62455	0.00000	0.0
1.9410	21.46439	39.90939	0.00000	0.0
2.4263	21.85724	40.19424	0.00000	0.0
2.9115	22.25009	40.47909	0.00000	0.0
3.3968	22.64294	40.76394	0.00000	0.0
3.8820	23.03579	41.04879	0.00000	0.0
4.3673	23.42864	41.33364	0.00000	0.0
4.8525	23.82148	41.61848	0.00000	0.0
5.3378	24.21433	41.90333	0.00000	0.0
5.8230	24.60718	42.18818	0.00000	0.0
6.3083	25.00003	42.47303	0.00000	0.0
6.7935	25.39288	42.75788	0.00000	0.0
7.2788	25.78573	43.04273	0.00000	0.0
7.7640	26.17858	43.32758	0.00000	0.0
8.2493	26.57142	43.61242	0.00000	0.0
8.7345	26.96427	43.89727	0.00000	0.0
9.2198	27.35712	44.18212	0.00000	0.0
9.7050	27.74997	44.46697	0.00000	0.0
10.190	28.14282	44.75182	0.00000	0.0
10.676	28.53567	45.03667	0.00000	0.0
11.161	28.92852	45.32152	0.00000	0.0
11.646	29.32136	45.60636	0.00000	0.0
12.131	29.71421	45.89121	0.00000	0.0
12.617	30.10706	46.17606	0.00000	0.0
13.102	30.49991	46.46091	0.00000	0.0
13.587	30.89276	46.74576	0.00000	0.0
14.072	31.28561	47.03061	0.00000	0.0
14.558	31.67845	47.31545	0.00000	0.0
15.043	32.07130	47.60030	0.00000	0.0
15.528	32.46415	47.88515	0.00000	0.0
16.013	32.85700	48.17000	0.00000	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.85700	48.17000	0.00000	0.0
0.44175	33.11971	47.81486	0.00000	0.0
0.88350	33.38243	47.45971	0.00000	0.0
1.3253	33.64514	47.10457	0.00000	0.0
1.7670	33.90786	46.74943	0.00000	0.0
2.2088	34.17057	46.39429	0.00000	0.030748
2.6505	34.43329	46.03914	0.00000	0.14205
3.0923	34.69600	45.68400	0.00000	0.24739

Structure: D | Sub-structure: D6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	34.69600	45.68400	0.00000	0.24739
0.38681	34.38500	45.45400	0.00000	0.24667
0.77362	34.07400	45.22400	0.00000	0.24594
1.1604	33.76300	44.99400	0.00000	0.24521

Structure: D | Sub-structure: D7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.76300	44.99400	0.00000	0.24521
0.45636	34.03370	44.62660	0.00000	0.35124
0.91271	34.30440	44.25920	0.00000	0.45752
1.3691	34.57510	43.89180	0.00000	0.56691
1.8254	34.84580	43.52440	0.00000	0.68190
2.2818	35.11650	43.15700	0.00000	0.80460
2.7381	35.38720	42.78960	0.00000	0.93679
3.1945	35.65790	42.42220	0.00000	1.0799
3.6509	35.92860	42.05480	0.00000	1.2348
4.1072	36.19930	41.68740	0.00000	1.4024
4.5636	36.47000	41.32000	0.00000	1.5828

Structure: D | Sub-structure: D8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.47000	41.32000	0.00000	1.5828
0.47879	36.08257	41.03870	0.00000	1.5795
0.95758	35.69513	40.75739	0.00000	1.5762
1.4364	35.30770	40.47609	0.00000	1.5729
1.9152	34.92026	40.19478	0.00000	1.5696
2.3939	34.53283	39.91348	0.00000	1.5664
2.8727	34.14539	39.63217	0.00000	1.5631
3.3515	33.75796	39.35087	0.00000	1.5598
3.8303	33.37052	39.06957	0.00000	1.5566
4.3091	32.98309	38.78826	0.00000	1.5533
4.7879	32.59565	38.50696	0.00000	1.5501
5.2667	32.20822	38.22565	0.00000	1.5468
5.7455	31.82078	37.94435	0.00000	1.5436
6.2242	31.43335	37.66304	0.00000	1.5403
6.7030	31.04591	37.38174	0.00000	1.5371
7.1818	30.65848	37.10043	0.00000	1.5339
7.6606	30.27104	36.81913	0.00000	1.5306
8.1394	29.88361	36.53783	0.00000	1.5273
8.6182	29.49617	36.25652	0.00000	1.4888
9.0970	29.10874	35.97522	0.00000	1.4424
9.5758	28.72130	35.69391	0.00000	1.3888
10.055	28.33387	35.41261	0.00000	1.3289
10.533	27.94643	35.13130	0.00000	1.2636
11.012	27.55900	34.85000	0.00000	1.1938

Specific Building Damage Results - All Segments

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

[m]		[m]	[m]		[%]	[%]	[%]				[m]	
0.0	1	0.0	3.0866	Hogging	606.90E-6	0.034544	0.034780	-651.10E-6	-371.32E-6	25067.		0 (Negligible)
	2	3.0866	1.2174	Sagging	505.32E-6	0.065152	0.065308	-651.10E-6	-371.32E-6	34906.	1	(Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.93965	Sagging	0.0	55.843E-6	55.826E-6	0.0	-9.8101E-6	2.4833E+9	0 (Negligible)
	2	0.93965	1.5734	Hogging	0.0	55.843E-6	55.826E-6	0.0	-9.8105E-6	1.2926E+9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.62828	Hogging	41.583E-6	0.065152	0.065156	-651.10E-6	-338.00E-6	150640.	1 (Very Slight)
	2	0.62828	3.1537	Sagging	0.0038270	0.065152	0.068042	-651.10E-6	-338.00E-6	4152.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.8980	Sagging	1.9102E-6	8.5448E-6	10.264E-6	0.0	0.0	25.166E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.3782	Sagging	0.0036048	0.065174	0.068061	-651.31E-6	338.04E-6	4344.0	1 (Very Slight)
	2	3.3782	0.13777	Hogging	24.590E-6	0.065174	0.065174	-651.31E-6	337.11E-6	2.0994E+6	1 (Very Slight)
	3	3.5160	1.6385	Sagging	482.58E-6	0.063768	0.063967	-651.31E-6	362.66E-6	45570.	1 (Very Slight)
	4	5.1545	2.8345	Hogging	556.86E-6	0.034127	0.034326	-508.40E-6	362.66E-6	26928.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.3580	Hogging	1.3799E-6	12.319E-6	13.340E-6	0.0	6.0014E-6	56.083E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

Calculations							Curve			
[m]		[m]	[m]	[%]	[%]	[%]			[m]	
0.0	1	3.9167	2.4473	Hogging	0.0016321	0.031874	0.032381	-318.64E-6	-176.06E-6	16220.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.0680	Hogging	0.0	0.0	0.0	0.0	0.0	686.78E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1000	Hogging	741.35E-6	0.031869	0.031973	-318.58E-6	-247.12E-6	16223.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.3969	Hogging	529.52E-6	-0.0012588	386.27E-6	158.40E-6	-74.577E-6	13972.	0 (Negligible)
	2	8.3969	2.2171	Sagging	891.04E-6	-0.013887	0.0028218	158.40E-6	-63.837E-6	31034.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5960	Hogging	0.0020191	0.023171	0.023835	-247.48E-6	266.54E-6	15462.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7410	Sagging	256.61E-6	-0.0053068	0.0010713	58.484E-6	26.269E-6	82824.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.4375	Hogging	701.98E-6	0.029532	0.029661	-298.82E-6	102.83E-6	20304.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.1060	Sagging	0.0084332	0.063977	0.071904	-704.55E-6	502.00E-6	3636.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.24383	None	0.0	60.877E-6	60.904E-6	0.0	16.773E-6	10228.	0 (Negligible)
	2	0.24383	3.1712	Sagging	0.0058891	-0.022981	0.0056510	351.44E-6	377.93E-6	4128.5	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.9472	Sagging	818.50E-6	0.026911	0.027309	-311.24E-6	429.45E-6	17040.	0 (Negligible)
	2	1.9472	0.98881	Hogging	175.92E-6	0.033834	0.033856	-346.47E-6	429.45E-6	56349.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.4230	Sagging	0.0019260	-0.014991	0.0031861	171.22E-6	-205.47E-6	6113.9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.1100	Hogging	206.44E-6	0.0083672	0.0084226	-84.334E-6	204.18E-6	114140.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.0330	Hogging	0.0	5.5349E-6	5.8293E-6	0.0	-4.9084E-6	166.76E+6	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.44300	Sagging	0.0	0.051030	0.051030	-510.04E-6	-481.57E-6	-	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.9710	Hogging	0.0	5.4493E-6	5.6148E-6	0.0	-5.1048E-6	194.50E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.0541	Hogging	695.22E-6	0.052894	0.053075	-544.77E-6	-547.93E-6	23698.	1 (Very Slight)
	2	2.0541	0.56388	Sagging	49.108E-6	0.055210	0.055217	-553.86E-6	-547.93E-6	100440.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.82300	Sagging	0.0	5.9096E-6	5.9009E-6	0.0	5.5727E-6	434.17E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.9410	Sagging	0.0091272	0.063075	0.072926	-708.14E-6	-534.77E-6	3562.2	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	11.065	Sagging	3.6969E-6	6.2724E-6	11.909E-6	0.0	-1.7955E-6	36.888E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.5485	Hogging	0.0015138	0.029196	0.029870	-382.53E-6	300.91E-6	21562.	0 (Negligible)
	2	3.5485	0.81050	Sagging	119.31E-6	0.027025	0.027050	-271.50E-6	204.75E-6	72659.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.98091	Sagging	131.05E-6	284.54E-6	328.48E-6	-9.8796E-6	61.663E-6	92119.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	2.6505	0.15988	Sagging	0.0	0.031873	0.031873	-318.63E-6	-251.88E-6	12468.	0 (Negligible)
	2	2.8104	0.28161	Sagging	0.0	0.031873	0.031873	-318.63E-6	-238.39E-6	7078.8	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1600	Sagging	0.0	2.0478E-6	2.0385E-6	0.0	1.8783E-6	1.1068E+9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.14812	None	0.0	0.031872	0.031872	-318.62E-6	-232.27E-6	449540.	0 (Negligible)
	2	0.14812	4.4149	Hogging	0.0024258	0.038121	0.039448	-497.97E-6	-395.11E-6	16101.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.8050	Hogging	1.4806E-6	14.064E-6	15.271E-6	0.0	6.8685E-6	57.400E+6	0 (Negligible)
	2	6.8050	4.2070	Sagging	0.0023777	-0.0061224	0.0017881	100.72E-6	145.69E-6	11855.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	606.90E-6	0.065152	-371.32E-6	2.3593	0.065308	-651.10E-6	-371.32E-6	25067.	34906.	1 (Very Slight)

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	55.843E-6	-9.8105E-6	2.3841	55.826E-6	0.0	-9.8105E-6	1.2926E+9	2.4833E+9	0 (Negligible)

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0038270	0.065152	-338.00E-6	3.3988	0.068042	-651.10E-6	-338.00E-6	150640.	4152.1	1 (Very Slight)

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.9102E-6	8.5448E-6	0.0	3.3989	10.264E-6	0.0	0.0	- 25.166E+6	0	(Negligible)

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0036048	0.065174	362.66E-6	3.3982	0.068061	-651.31E-6	362.66E-6	26928.	4344.0	1 (Very Slight)

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.3799E-6	12.319E-6	6.0014E-6	0.92831	13.340E-6	0.0	6.0014E-6	56.083E+6	-	0 (Negligible)

Structure: B | Sub-structure: B1

Vertical Offset from	Deflection Ratio	Average Horizontal	Max Slope	Max Settlement	Max Tensile	Max Gradient of	Max Gradient of Vertical	Min Radius of	Min Radius of	Damage Category

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0016321	0.031874	-176.06E-6	0.41518	0.032381	-318.64E-6	-176.06E-6	16220.		- 0 (Negligible)

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	0.0	0.41629	0.0	0.0	0.0	686.78E+6		- 0 (Negligible)

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	741.35E-6	0.031869	-247.12E-6	0.66395	0.031973	-318.58E-6	-247.12E-6	16223.		- 0 (Negligible)

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	891.04E-6	-0.013887	-74.577E-6	0.78088	0.0028218	158.40E-6	-74.577E-6	13972.	31034.	0 (Negligible)

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0020191	0.023171	266.54E-6	0.78088	0.023835	-247.48E-6	266.54E-6	15462.		- 0 (Negligible)

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	256.61E-6	-0.0053068	26.269E-6	0.26657	0.0010713	58.484E-6	26.269E-6	-	82824.	0 (Negligible)

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	701.98E-6	0.029532	102.83E-6	0.23419	0.029661	-298.82E-6	102.83E-6	20304.		- 0 (Negligible)

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0084332	0.063977	502.00E-6	5.1822	0.071904	-704.55E-6	502.00E-6	-	3636.1	1 (Very Slight)

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0058891	-0.022981	377.93E-6	4.0587	0.0056510	351.44E-6	377.93E-6	-	4128.5	0 (Negligible)

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	818.50E-6	0.033834	429.45E-6	3.2736	0.033856	-346.47E-6	429.45E-6	56349.	17040.	0 (Negligible)

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0019260	-0.014991	-205.47E-6	2.4259	0.0031861	171.22E-6	-205.47E-6	-	6113.9	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: C | Sub-structure: C5										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	206.44E-6	0.0083672	204.18E-6	2.4259	0.0084226	-84.334E-6	204.18E-6	114140.		- 0 (Negligible)
Structure: C | Sub-structure: C6										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.5349E-6	-4.9084E-6	2.0386	5.8293E-6	0.0	-4.9084E-6	166.76E+6		- 0 (Negligible)
Structure: C | Sub-structure: C7										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.051030	-481.57E-6	2.2520	0.051030	-510.04E-6	-481.57E-6	-		- 1 (Very Slight)
Structure: C | Sub-structure: C8										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.4493E-6	-5.1048E-6	2.2775	5.6148E-6	0.0	-5.1048E-6	194.50E+6		- 0 (Negligible)
Structure: C | Sub-structure: C9										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	695.22E-6	0.055210	-547.93E-6	3.6751	0.055217	-553.86E-6	-547.93E-6	23698.	100440.	1 (Very Slight)
Structure: C | Sub-structure: C10										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.9096E-6	5.5727E-6	3.6754	5.9009E-6	0.0	5.5727E-6	-	434.17E+6	0 (Negligible)
Structure: C | Sub-structure: C11										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0091272	0.063075	-534.77E-6	5.1795	0.072926	-708.14E-6	-534.77E-6	-	3562.2	1 (Very Slight)
Structure: C | Sub-structure: C12										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	3.6969E-6	6.2724E-6	-1.7955E-6	5.1389	11.909E-6	0.0	-1.7955E-6	-	36.888E+6	0 (Negligible)
Structure: D | Sub-structure: D1										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0015138	0.029196	300.91E-6	1.1938	0.029870	-382.53E-6	300.91E-6	21562.	72659.	0 (Negligible)
Structure: D | Sub-structure: D2										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	131.05E-6	284.54E-6	61.663E-6	0.17032	328.48E-6	-9.8796E-6	61.663E-6	-	92119.	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D3										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
Structure: D | Sub-structure: D4										

Vertical Movement Calculations				Displacement Curve	Curve	(Hogging)	(Sagging)
[m]	[%]	[%]	[mm]	[%]		[m]	[m]

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.031873	-251.88E-6	0.24733	0.031873	-318.63E-6	-251.88E-6	-	7078.8	0 (Negligible)

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	2.0478E-6	1.8783E-6	0.24739	2.0385E-6	0.0	1.8783E-6	-	1.1068E+9	0 (Negligible)

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0024258	0.038121	-395.11E-6	1.5825	0.039448	-497.97E-6	-395.11E-6	16101.	-	0 (Negligible)

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0023777	-0.0061224	145.69E-6	1.5828	0.0017881	100.72E-6	145.69E-6	57.400E+6	11855.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
A	Max Slope	A1	1	0.0	3.0866	Hogging	**371.32E-6**	1.9356	0.034780	25067.	-	0 (Negligible)
	Max Settlement	A4	1	0.0	3.8980	Sagging	0.0	**3.3989**	10.264E-6	-	25.166E+6	0 (Negligible)
	Max Tensile Strain	A5	1	0.0	3.3782	Sagging	338.04E-6	3.3982	**0.068061**	-	4344.0	1 (Very Slight)
	Min Radius of Curvature (Hogging)	A1	1	0.0	3.0866	Hogging	371.32E-6	1.9356	0.034780	**25067.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	A3	2	0.62828	3.7820	Sagging	338.00E-6	3.3988	0.068042	-	**4152.1**	1 (Very Slight)
B	Max Slope	B9	1	0.0	2.5960	Hogging	**266.54E-6**	0.78088	0.023835	15462.	-	0 (Negligible)
	Max Settlement	B9	1	0.0	2.5960	Hogging	266.54E-6	**0.78088**	0.023835	15462.	-	0 (Negligible)
	Max Tensile Strain	B5	1	3.9167	6.3640	Hogging	176.06E-6	0.41518	**0.032381**	16220.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	B8	1	0.0	8.3969	Hogging	74.577E-6	0.71312	386.27E-6	**13972.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	B8	2	8.3969	10.614	Sagging	63.837E-6	0.78088	0.0028218	-	**31034.**	0 (Negligible)
C	Max Slope	C9	1	0.0	2.0541	Hogging	**547.93E-6**	3.3672	0.053075	23698.	-	1 (Very Slight)
	Max Settlement	C1	1	0.0	4.1060	Sagging	502.00E-6	**5.1822**	0.071904	-	3636.1	1 (Very Slight)
	Max Tensile Strain	C11	1	0.0	4.9410	Sagging	534.77E-6	5.1795	**0.072926**	-	3562.2	1 (Very Slight)
	Min Radius of Curvature (Hogging)	C9	1	0.0	2.0541	Hogging	547.93E-6	3.3672	0.053075	**23698.**	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)	C11	1	0.0	4.9410	Sagging	534.77E-6	5.1795	0.072926	-	**3562.2**	1 (Very Slight)
D	Max Slope	D7	2	0.14812	4.5630	Hogging	**395.11E-6**	1.5825	0.039448	16101.	-	0 (Negligible)
	Max Settlement	D8	1	0.0	6.8050	Hogging	6.8685E-6	**1.5828**	15.271E-6	57.400E+6	-	0 (Negligible)
	Max Tensile Strain	D7	2	0.14812	4.5630	Hogging	395.11E-6	1.5825	**0.039448**	16101.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	D7	2	0.14812	4.5630	Hogging	395.11E-6	1.5825	0.039448	**16101.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	D5	2	2.8104	3.0920	Sagging	238.39E-6	0.24733	0.031873	-	**7078.8**	0 (Negligible)

Xdisp Input and Output

Model: Long-term scheme

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Line	A1	-	29.57700	22.24700	0.00000	32.94000	24.93400	0.00000	9	-	-	Yes	Surface
Line	A2	-	32.94000	24.93400	0.00000	34.50900	22.97000	0.00000	6	-	-	Yes	Surface
Line	A3	-	34.50900	22.97000	0.00000	37.46400	25.33100	0.00000	8	-	-	Yes	Surface
Line	A4	-	37.46400	25.33100	0.00000	39.77100	22.18900	0.00000	8	-	-	Yes	Surface
Line	A5	-	39.77100	22.18900	0.00000	33.49800	17.24100	0.00000	16	-	-	Yes	Surface
Line	A6	-	33.49800	17.24100	0.00000	29.57700	22.24700	0.00000	13	-	-	Yes	Surface
Line	B1	-	20.51600	5.45800	0.00000	23.63600	7.79400	0.00000	8	-	-	Yes	Surface
Line	B2	-	23.63600	7.79400	0.00000	23.07200	8.52400	0.00000	2	-	-	Yes	Surface
Line	B3	-	23.07200	8.52400	0.00000	27.18000	11.64800	0.00000	11	-	-	Yes	Surface
Line	B4	-	27.18000	11.64800	0.00000	27.83500	10.78700	0.00000	3	-	-	Yes	Surface
Line	B5	-	27.83500	10.78700	0.00000	32.94300	14.58400	0.00000	13	-	-	Yes	Surface
Line	B6	-	32.94300	14.58400	0.00000	32.30500	15.44100	0.00000	3	-	-	Yes	Surface
Line	B7	-	32.30500	15.44100	0.00000	33.19400	16.09000	0.00000	3	-	-	Yes	Surface
Line	B8	-	33.19400	16.09000	0.00000	26.81700	24.57500	0.00000	22	-	-	Yes	Surface
Line	B9	-	26.81700	24.57500	0.00000	24.76900	22.97900	0.00000	6	-	-	Yes	Surface
Line	B10	-	24.76900	22.97900	0.00000	25.81100	21.58400	0.00000	4	-	-	Yes	Surface
Line	B11	-	25.81100	21.58400	0.00000	23.92000	20.11300	0.00000	5	-	-	Yes	Surface
Line	B12	-	23.92000	20.11300	0.00000	24.50100	19.36600	0.00000	2	-	-	Yes	Surface
Line	B13	-	24.50100	19.36600	0.00000	22.31400	17.68800	0.00000	6	-	-	Yes	Surface
Line	B14	-	22.31400	17.68800	0.00000	20.96500	19.44800	0.00000	5	-	-	Yes	Surface
Line	B15	-	20.96500	19.44800	0.00000	17.42900	16.79200	0.00000	9	-	-	Yes	Surface
Line	B16	-	17.42900	16.79200	0.00000	20.02000	13.18500	0.00000	9	-	-	Yes	Surface
Line	B17	-	20.02000	13.18500	0.00000	18.50800	11.94800	0.00000	4	-	-	Yes	Surface
Line	B18	-	18.50800	11.94800	0.00000	19.31100	10.90100	0.00000	3	-	-	Yes	Surface
Line	B19	-	19.31100	10.90100	0.00000	17.42200	9.47800	0.00000	5	-	-	Yes	Surface
Line	B20	-	17.42200	9.47800	0.00000	20.51600	5.45800	0.00000	11	-	-	Yes	Surface
Line	C1	-	36.28600	29.95000	0.00000	33.76400	33.19100	0.00000	9	-	-	Yes	Surface
Line	C2	-	33.76400	33.19100	0.00000	30.96900	31.22800	0.00000	7	-	-	Yes	Surface
Line	C3	-	30.96900	31.22800	0.00000	29.28100	33.63100	0.00000	6	-	-	Yes	Surface
Line	C4	-	29.28100	33.63100	0.00000	31.21800	35.08700	0.00000	5	-	-	Yes	Surface
Line	C5	-	31.21800	35.08700	0.00000	32.24800	36.92900	0.00000	5	-	-	Yes	Surface
Line	C6	-	32.24800	36.92900	0.00000	37.10800	40.50500	0.00000	13	-	-	Yes	Surface
Line	C7	-	37.10800	40.50500	0.00000	37.37100	40.14800	0.00000	1	-	-	Yes	Surface
Line	C8	-	37.37100	40.14800	0.00000	41.37500	43.09500	0.00000	10	-	-	Yes	Surface
Line	C9	-	41.37500	43.09500	0.00000	42.92700	40.98600	0.00000	6	-	-	Yes	Surface
Line	C10	-	42.92700	40.98600	0.00000	42.26400	40.49800	0.00000	2	-	-	Yes	Surface
Line	C11	-	42.26400	40.49800	0.00000	45.19200	36.51800	0.00000	10	-	-	Yes	Surface
Line	C12	-	45.19200	36.51800	0.00000	36.28600	29.95000	0.00000	23	-	-	Yes	Surface
Line	D1	-	27.55900	34.85000	0.00000	24.98300	38.36700	0.00000	9	-	-	Yes	Surface
Line	D2	-	24.98300	38.36700	0.00000	21.81800	36.04800	0.00000	8	-	-	Yes	Surface
Line	D3	-	21.81800	36.04800	0.00000	19.89300	38.77000	0.00000	7	-	-	Yes	Surface
Line	D4	-	19.89300	38.77000	0.00000	32.85700	48.17000	0.00000	33	-	-	Yes	Surface
Line	D5	-	32.85700	48.17000	0.00000	34.69600	45.68400	0.00000	7	-	-	Yes	Surface
Line	D6	-	34.69600	45.68400	0.00000	33.76300	44.99400	0.00000	3	-	-	Yes	Surface
Line	D7	-	33.76300	44.99400	0.00000	36.47000	41.32000	0.00000	10	-	-	Yes	Surface
Line	D8	-	36.47000	41.32000	0.00000	27.55900	34.85000	0.00000	23	-	-	Yes	Surface
Grid	Grid 1	Global X	0.00000	0.00000	0.00000	-	57.42000	0.00000	99	82.30500	99	No	Surface

Vertical Ground Movement Curves (Excavations)

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.039][0.100,0.000,0.049][0.200,0.000,0.056][0.300,0.000,0.062]
[0.400,0.000,0.067][0.500,0.000,0.070][0.600,0.000,0.072][0.700,0.000,0.073]
[0.800,0.000,0.073][0.900,0.000,0.072][1.000,0.000,0.070][1.100,0.000,0.068]
[1.200,0.000,0.065][1.300,0.000,0.061][1.400,0.000,0.058][1.500,0.000,0.054]
[1.600,0.000,0.050][1.700,0.000,0.046][1.800,0.000,0.042][1.900,0.000,0.038]
[2.000,0.000,0.034][2.100,0.000,0.030][2.200,0.000,0.027][2.300,0.000,0.023]
[2.400,0.000,0.020][2.500,0.000,0.017][2.600,0.000,0.014][2.700,0.000,0.012]
[2.800,0.000,0.010][2.900,0.000,0.008][3.000,0.000,0.007][3.100,0.000,0.005]
[3.200,0.000,0.004][3.300,0.000,0.004][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.6455E-3x^4 + 2.8495E-2x^3 - 1.0051E-1x^2 + 1.0569E-1x + 3.8990E-2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves (Excavations)

Type	Name	Direction of extrusion	Point/Line/Line for extrusion	No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate Surface type for tunnels

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034]
[0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027]
[0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020]
[0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015]
[0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010]
[1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006]
[1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003]
[1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-4.2486E\text{-}3x^3 + 1.9096E\text{-}2x^2 - 4.6221E\text{-}2x + 4.0729E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: **Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.150][4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.75E-2x + 1.50E-1
Coeff. of Determination: 1.00

Polygonal Excavations

Excavation Name: **InstallContig**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-8.0000	No	-	-	-	-	-	-
2	48.423	37.225	-8.0000	No	-	-	-	-	-	-
3	55.142	28.291	-8.0000	No	-	-	-	-	-	-
4	42.970	19.138	-8.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	48.423	37.225	55.142	28.291	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	55.142	28.291	42.970	19.138	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	42.970	19.138	36.252	28.072	No vertical ground movement	No horizontal ground movement

Excavation Name: **Excavate**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
2	48.423	37.225	55.142	28.291	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
3	55.142	28.291	42.970	19.138	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))
4	42.970	19.138	36.252	28.072	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(b)	Excavation in front of high stiffness wall in stiff clay (CIRIA 580 Fig. 2.11(a))

Excavation Name: **InstalUnderpin**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	No vertical ground movement	No horizontal ground movement

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
2	48.423	37.225	55.142	28.291	No vertical ground movement	No horizontal ground movement
3	55.142	28.291	42.970	19.138	No vertical ground movement	No horizontal ground movement
4	42.970	19.138	36.252	28.072	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
A	A1	A1	0.00000	4.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A2	A2	0.00000	2.51300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A3	A3	0.00000	3.78200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A4	A4	0.00000	3.89800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A5	A5	0.00000	7.98900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A6	A6	0.00000	6.35800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B1	B1	0.00000	3.89700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B2	B2	0.00000	0.92200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B3	B3	0.00000	5.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B4	B4	0.00000	1.08100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B5	B5	0.00000	6.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B6	B6	0.00000	1.06800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B7	B7	0.00000	1.10000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B8	B8	0.00000	10.61400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B9	B9	0.00000	2.59600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B10	B10	0.00000	1.74100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B11	B11	0.00000	2.39500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B12	B12	0.00000	0.94600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B13	B13	0.00000	2.75600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B14	B14	0.00000	2.21700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B15	B15	0.00000	4.42200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B16	B16	0.00000	4.44100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B17	B17	0.00000	1.95300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B18	B18	0.00000	1.31900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B19	B19	0.00000	2.36500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B20	B20	0.00000	5.07200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C1	C1	0.00000	4.10600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C2	C2	0.00000	3.41500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C3	C3	0.00000	2.93600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C4	C4	0.00000	2.42300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C5	C5	0.00000	2.11000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C6	C6	0.00000	6.03300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C7	C7	0.00000	0.44300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C8	C8	0.00000	4.97100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C9	C9	0.00000	2.61800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C10	C10	0.00000	0.82300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C11	C11	0.00000	4.94100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C12	C12	0.00000	11.06500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D1	D1	0.00000	4.35900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D2	D2	0.00000	3.92300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D3	D3	0.00000	3.33300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D4	D4	0.00000	16.01300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D5	D5	0.00000	3.09200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D6	D6	0.00000	1.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D7	D7	0.00000	4.56300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D8	D8	0.00000	11.01200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging 2nd Moment of Area (per unit width) [m³]	Hogging Distance of Bending Strain from N.A. [m]	Hogging Distance of N.A. from Edge of Beam in Tension [m]	Sagging 2nd Moment of Area (per unit width) [m³]	Sagging Distance of Bending Strain from N.A. [m]	Sagging Distance of N.A. from Edge of Beam in Tension [m]
A	A1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B13	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B14	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B15	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B16	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B17	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B18	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B19	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B20	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations	Segment Start Length Curvature	Combined Segment

[m] [m] [m]

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

Errors

None

Displacement and Strain Results

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
A1	Line 1	29.57700	22.24700	0.00000	2.1473	1.6148	1.8879	2.6855	-0.078803	38.624 *
	0.47829	29.95067	22.54556	0.00000	2.2906	1.7225	2.1440	2.8647	-0.084061	38.624 *
	0.95658	30.32433	22.84411	0.00000	2.4339	1.8303	2.4189	3.0439	-0.089319	38.624 *
	1.4349	30.69800	23.14267	0.00000	2.5771	1.9380	2.7111	3.2232	-0.094578	38.624 *
	1.9132	31.07167	23.44122	0.00000	2.7204	2.0458	3.0184	3.4024	-0.099836	38.624 *
	2.3915	31.44533	23.73978	0.00000	2.8637	2.1536	3.3386	3.5816	-0.10509	38.624 *
	2.8697	31.81900	24.03833	0.00000	3.0158	2.2679	3.6716	3.7718	-0.11068	38.624 *
	3.3480	32.19267	24.33689	0.00000	3.2865	2.4715	4.0339	4.1103	-0.12061	38.624 *
	3.8263	32.56633	24.63544	0.00000	3.5571	2.6750	4.4022	4.4488	-0.13054	38.624 *
	4.3046	32.94000	24.93400	0.00000	3.8278	2.8785	4.7864	4.7873	-0.14047	38.624 *
A2	Line 2	32.94000	24.93400	0.00000	3.8278	2.8785	4.7864	0.14016	4.7873	308.62 *
	0.41896	33.20150	24.60667	0.00000	3.8347	2.8838	4.8810	0.14041	4.7960	308.62 *
	0.83792	33.46300	24.27933	0.00000	3.8416	2.8890	4.9730	0.14066	4.8046	308.62 *
	1.2569	33.72450	23.95200	0.00000	3.8486	2.8942	5.0611	0.14092	4.8133	308.62 *
	1.6758	33.98600	23.62467	0.00000	3.8555	2.8994	5.1444	0.14117	4.8220	308.62 *
	2.0948	34.24750	23.29733	0.00000	3.8625	2.9046	5.2219	0.14143	4.8307	308.62 *
	2.5138	34.50900	22.97000	0.00000	3.8694	2.9098	5.2926	0.14168	4.8394	308.62 *
A3	Line 3	34.50900	22.97000	0.00000	3.8694	2.9098	5.2926	4.8394	-0.14199	38.624 *
	0.47280	34.87837	23.26512	0.00000	4.1369	3.1110	5.7892	5.1740	-0.15181	38.624 *
	0.94559	35.24775	23.56025	0.00000	4.4045	3.3122	6.3392	5.5086	-0.16163	38.624 *
	1.4184	35.61713	23.85537	0.00000	4.6720	3.5134	6.9559	5.8432	-0.17144	38.624 *
	1.8912	35.98650	24.15050	0.00000	4.9396	3.7146	7.6565	6.1778	-0.18126	38.624 *
	2.3640	36.35587	24.44563	0.00000	5.2071	3.9158	8.4670	6.5124	-0.19108	38.624 *
	2.8368	36.72525	24.74075	0.00000	5.4747	4.1170	9.4321	6.8470	-0.20090	38.624 *
	3.3096	37.09463	25.03588	0.00000	5.7422	4.3182	10.639	7.1816	-0.21071	38.624 *
	3.7824	37.46400	25.33100	0.00000	6.0098	4.5194	12.282	7.5162	-0.22053	38.624 *
A4	Line 4	37.46400	25.33100	0.00000	6.0098	4.5194	12.282	-0.086077	7.5190	306.29 *
	0.48725	37.75238	24.93825	0.00000	6.0066	4.5171	12.779	-0.086032	7.5150	306.29 *
	0.97450	38.04075	24.54550	0.00000	6.0034	4.5147	13.100	-0.085986	7.5111	306.29 *
	1.4618	38.32912	24.15275	0.00000	6.0003	4.5123	13.279	-0.085941	7.5071	306.29 *
	1.9490	38.61750	23.76000	0.00000	5.9971	4.5099	13.352	-0.085896	7.5032	306.29 *
	2.4363	38.90588	23.36725	0.00000	5.9940	4.5076	13.329	-0.085851	7.4992	306.29 *
	2.9235	39.19425	22.97450	0.00000	5.9908	4.5052	13.201	-0.085805	7.4953	306.29 *
	3.4108	39.48262	22.58175	0.00000	5.9877	4.5028	12.930	-0.085760	7.4913	306.29 *
	3.8980	39.77100	22.18900	0.00000	5.9845	4.5004	12.493	-0.085715	7.4874	306.29 *
A5	Line 5	39.77100	22.18900	0.00000	5.9845	4.5004	12.493	-7.4859	0.17274	218.27 *
	0.49935	39.37894	21.87975	0.00000	5.7019	4.2879	10.767	-7.1323	0.16458	218.27 *
	0.99870	38.98687	21.57050	0.00000	5.4193	4.0754	9.4922	-6.7788	0.15642	218.27 *
	1.4980	38.59481	21.26125	0.00000	5.1366	3.8628	8.4706	-6.4253	0.14826	218.27 *
	1.9974	38.20275	20.95200	0.00000	4.8540	3.6503	7.6128	-6.0718	0.14011	218.27 *
	2.4967	37.81069	20.64275	0.00000	4.5714	3.4378	6.8735	-5.7183	0.13195	218.27 *
	2.9961	37.41862	20.33350	0.00000	4.2888	3.2252	6.2253	-5.3648	0.12379	218.27 *
	3.4954	37.02656	20.02425	0.00000	4.0062	3.0127	5.6496	-5.0112	0.11563	218.27 *
	3.9948	36.63450	19.71500	0.00000	3.7236	2.8002	5.1310	-4.6577	0.10748	218.27 *
	4.4941	36.24244	19.40575	0.00000	3.4410	2.5877	4.6555	-4.3042	0.099320	218.27 *
	4.9935	35.85038	19.09650	0.00000	3.1583	2.3751	4.2086	-3.9507	0.091163	218.27 *
	5.4928	35.45831	18.78725	0.00000	2.9328	2.2055	3.7889	-3.6686	0.084654	218.27 *
	5.9922	35.06625	18.47800	0.00000	2.7832	2.0930	3.4046	-3.4815	0.080335	218.27 *
	6.4915	34.67419	18.16875	0.00000	2.6336	1.9805	3.0409	-3.2943	0.076016	218.27 *
	6.9909	34.28213	17.85950	0.00000	2.4840	1.8680	2.6990	-3.1072	0.071698	218.27 *
	7.4902	33.89006	17.55025	0.00000	2.3344	1.7555	2.3801	-2.9200	0.067379	218.27 *
	7.9896	33.49800	17.24100	0.00000	2.1847	1.6430	2.0854	-2.7328	0.063061	218.27 *
A6	Line 6	33.49800	17.24100	0.00000	2.1847	1.6430	2.0854	-0.053741	-2.7330	128.07 *
	0.48914	33.19638	17.62608	0.00000	2.1819	1.6408	2.0882	-0.053670	-2.7294	128.07 *
	0.97828	32.89477	18.01115	0.00000	2.1790	1.6386	2.0878	-0.053599	-2.7258	128.07 *
	1.4674	32.59315	18.39623	0.00000	2.1761	1.6365	2.0841	-0.053528	-2.7222	128.07 *
	1.9566	32.29154	18.78131	0.00000	2.1732	1.6343	2.0772	-0.053457	-2.7186	128.07 *
	2.4457	31.98992	19.16638	0.00000	2.1703	1.6321	2.0671	-0.053386	-2.7150	128.07 *
	2.9348	31.68831	19.55146	0.00000	2.1675	1.6300	2.0539	-0.053315	-2.7114	128.07 *
	3.4240	31.38669	19.93654	0.00000	2.1646	1.6278	2.0377	-0.053244	-2.7078	128.07 *
	3.9131	31.08508	20.32162	0.00000	2.1617	1.6256	2.0186	-0.053173	-2.7042	128.07 *
	4.4022	30.78346	20.70669	0.00000	2.1588	1.6235	1.9968	-0.053102	-2.7006	128.07 *
	4.8914	30.48185	21.09177	0.00000	2.1559	1.6213	1.9726	-0.053032	-2.6970	128.07 *
	5.3805	30.18023	21.47685	0.00000	2.1530	1.6191	1.9462	-0.052961	-2.6934	128.07 *
	5.8697	29.87862	21.86192	0.00000	2.1502	1.6170	1.9179	-0.052890	-2.6898	128.07 *
	6.3588	29.57700	22.24700	0.00000	2.1473	1.6148	1.8879	-0.052819	-2.6862	128.07 *
B1	Line 7	20.51600	5.45800	0.00000	0.0	0.0	0.027659	0.0	0.0	36.823 *
	0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.031377	0.0	0.0	36.823 *
	0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.035422	0.0	0.0	36.823 *
	1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.039820	0.0	0.0	36.823 *
	1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.044604	0.0	0.0	36.823 *
	2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.049808	0.0	0.0	36.823 *
	2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.055468	0.0	0.0	36.823 *
	3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.061625	0.0	0.0	36.823 *
	3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.068325	0.0	0.0	36.823 *
B2	Line 8	23.63600	7.79400	0.00000	0.0	0.0	0.068325	0.0	0.0	127.69 *
	0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.068904	0.0	0.0	127.69 *
	0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.069379	0.0	0.0	127.69 *
B3	Line 9	23.07200	8.52400	0.00000	0.0	0.0	0.069379	0.0	0.0	37.252 *
	0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.076508	0.0	0.0	37.252 *
	0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.084246	0.0	0.0	37.252 *
	1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.092648	0.0	0.0	37.252 *
	1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.10177	0.0	0.0	37.252 *
	2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.11169	0.0	0.0	37.252 *
	2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.12247	0.0	0.0	37.252 *
	3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.13418	0.0	0.0	37.252 *
	3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.14693	0.0	0.0	37.252 *
	4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.16080	0.0	0.0	37.252 *
	4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.17590	0.0	0.0	37.252 *
	5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.19235	0.0	0.0	37.252 *
B4	Line 10	27.18000	11.64800	0.00000	0.0	0.0	0.19235	0.0	0.0	307.26 *
	0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.19113	0.0	0.0	307.26 *
	0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.18970	0.0	0.0	307.26 *
	1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.18810	0.0	0.0	307.26 *
B5	Line 11	27.83500	10.78700	0.00000	0.0	0.0	0.18810	0.0	0.0	36.625 *
	0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.20631	0.0	0.0	36.625 *
	0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.22623	0.0	0.0	36.625 *
	1.4688	29.01377	11.66323	0.00000	0.10586	0.079609	0.27566	0.13245	736.68E-6	36.625 *
	1.9584	29.40669	11.95531	0.00000	0.25259	0.18995	0.32421	0.31604	0.0017578	36.625 *
	2.4479	29.79962	12.24738	0.00000	0.39933	0.30030	0.36961	0.49963	0.0027789	36.625 *
	2.9375	30.19254	12.53946	0.00000	0.54606	0.41064	0.41694	0.68322	0.0038000	36.625 *
	3.4271	30.58546	12.83154	0.00000	0.69279	0.52099	0.47071	0.86681	0.0048211	36.625 *
	3.9167	30.97838	13.12362	0.00000	0.83952	0.63133	0.53493	1.0504	0.0058422	36.625 *
	4.4063	31.37131	13.41569	0.00000	0.98626	0.74168	0.61304	1.2340	0.0068633	36.625 *
	4.8959	31.76423	13.70777	0.00000	1.1330	0.85202	0.70799	1.4176	0.0078844	36.625 *
	5.3855	32.15715	13.99985	0.00000	1.2797	0.96237	0.82219	1.6012	0.0089055	36.625 *

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
	5.8751	32.55008	14.29192	0.00000	1.4265	1.0727	0.95757	1.7848	0.0099266	36.625 *
	6.3647	32.94300	14.58400	0.00000	1.5732	1.1831	1.1155	1.9684	0.010948	36.625 *
B6	Line 12	32.94300	14.58400	0.00000	1.5732	1.1831	1.1155	0.0095366	-1.9684	126.67 *
	0.35614	32.73033	14.86967	0.00000	1.5737	1.1834	1.1240	0.0095398	-1.9690	126.67 *
	0.71227	32.51767	15.15533	0.00000	1.5742	1.1838	1.1316	0.0095429	-1.9697	126.67 *
	1.0684	32.30500	15.44100	0.00000	1.5747	1.1842	1.1385	0.0095460	-1.9703	126.67 *
B7	Line 13	32.30500	15.44100	0.00000	1.5747	1.1842	1.1385	1.9701	0.027957	36.131 *
	0.36690	32.60133	15.65733	0.00000	1.6847	1.2669	1.2746	2.1077	0.029909	36.131 *
	0.73379	32.89767	15.87367	0.00000	1.7946	1.3496	1.4244	2.2452	0.031861	36.131 *
	1.1007	33.19400	16.09000	0.00000	1.9046	1.4323	1.5880	2.3828	0.033813	36.131 *
B8	Line 14	33.19400	16.09000	0.00000	1.9046	1.4323	1.5880	690.00E-6	-2.3830	126.93 *
	0.48246	32.90414	16.47568	0.00000	1.9046	1.4323	1.5977	690.02E-6	-2.3831	126.93 *
	0.96493	32.61427	16.86136	0.00000	1.9047	1.4323	1.6051	690.04E-6	-2.3831	126.93 *
	1.4474	32.32441	17.24705	0.00000	1.9047	1.4324	1.6103	690.05E-6	-2.3832	126.93 *
	1.9299	32.03455	17.63273	0.00000	1.9048	1.4324	1.6130	690.07E-6	-2.3833	126.93 *
	2.4123	31.74468	18.01841	0.00000	1.9048	1.4324	1.6134	690.08E-6	-2.3833	126.93 *
	2.8948	31.45482	18.40409	0.00000	1.9048	1.4325	1.6113	690.10E-6	-2.3834	126.93 *
	3.3772	31.16495	18.78977	0.00000	1.9049	1.4325	1.6067	690.11E-6	-2.3834	126.93 *
	3.8597	30.87509	19.17545	0.00000	1.9049	1.4325	1.5999	690.13E-6	-2.3835	126.93 *
	4.3422	30.58523	19.56114	0.00000	1.9050	1.4326	1.5907	690.14E-6	-2.3835	126.93 *
	4.8246	30.29536	19.94682	0.00000	1.9050	1.4326	1.5793	690.16E-6	-2.3836	126.93 *
	5.3071	30.00550	20.33250	0.00000	1.9051	1.4326	1.5659	690.17E-6	-2.3836	126.93 *
	5.7896	29.71564	20.71818	0.00000	1.9051	1.4327	1.5505	690.19E-6	-2.3837	126.93 *
	6.2720	29.42577	21.10386	0.00000	1.9051	1.4327	1.5334	690.20E-6	-2.3837	126.93 *
	6.7545	29.13591	21.48955	0.00000	1.9052	1.4327	1.5147	690.22E-6	-2.3838	126.93 *
	7.2370	28.84605	21.87523	0.00000	1.9052	1.4328	1.4946	690.23E-6	-2.3838	126.93 *
	7.7194	28.55618	22.26091	0.00000	1.9053	1.4328	1.4733	690.25E-6	-2.3839	126.93 *
	8.2019	28.26632	22.64659	0.00000	1.8953	1.3181	1.4865	-0.085044	-2.3070	126.93 *
	8.6843	27.97645	23.03227	0.00000	1.8779	1.1954	1.4925	-0.17264	-2.2193	126.93 *
	9.1668	27.68659	23.41795	0.00000	1.8532	1.0714	1.4897	-0.25691	-2.1251	126.93 *
	9.6493	27.39673	23.80364	0.00000	1.8214	0.94823	1.4780	-0.33625	-2.0257	126.93 *
	10.132	27.10686	24.18932	0.00000	1.7825	0.82775	1.4577	-0.40924	-1.9223	126.93 *
	10.614	26.81700	24.57500	0.00000	1.7369	0.71168	1.4289	-0.47459	-1.8160	126.93 *
B9	Line 15	26.81700	24.57500	0.00000	1.7369	0.71168	1.4289	-1.8075	0.50628	217.93 *
	0.43274	26.47567	24.30900	0.00000	1.6123	0.69447	1.2583	-1.6986	0.44327	217.93 *
	0.85548	26.13433	24.04300	0.00000	1.4874	0.67681	1.1042	-1.5856	0.38517	217.93 *
	1.2982	25.79300	23.77700	0.00000	1.3623	0.64145	0.96674	-1.4688	0.33140	217.93 *
	1.7310	25.45167	23.51100	0.00000	1.2368	0.60699	0.84532	-1.3487	0.28148	217.93 *
	2.1637	25.11033	23.24500	0.00000	1.1132	0.56522	0.73924	-1.2255	0.23845	217.93 *
	2.5964	24.76900	22.97900	0.00000	0.99359	0.51369	0.64746	-1.0995	0.20556	217.93 *
B10	Line 16	24.76900	22.97900	0.00000	0.99359	0.51369	0.64746	0.18305	1.1034	306.76 *
	0.43530	25.02950	22.63025	0.00000	1.0251	0.56721	0.65614	0.15905	1.1607	306.76 *
	0.87060	25.29000	22.28150	0.00000	1.0528	0.62078	0.66224	0.13267	1.2149	306.76 *
	1.3059	25.55050	21.93275	0.00000	1.0763	0.67380	0.66566	0.10429	1.2656	306.76 *
	1.7412	25.81100	21.58400	0.00000	1.0957	0.72563	0.66637	0.074338	1.3121	306.76 *
B11	Line 17	25.81100	21.58400	0.00000	1.0957	0.72563	0.66637	-1.3104	0.099997	217.88 *
	0.47915	25.43280	21.28980	0.00000	0.95543	0.63660	0.57680	-1.1450	0.084156	217.88 *
	0.95831	25.05460	20.99560	0.00000	0.81492	0.54603	0.50252	-0.97848	0.069375	217.88 *
	1.4375	24.67640	20.70140	0.00000	0.67417	0.45406	0.44085	-0.81092	0.055543	217.88 *
	1.9166	24.29820	20.40720	0.00000	0.53320	0.36085	0.38862	-0.64242	0.042566	217.88 *
	2.3958	23.92000	20.11300	0.00000	0.39204	0.26650	0.34215	-0.47307	0.030361	217.88 *
B12	Line 18	23.92000	20.11300	0.00000	0.39204	0.26650	0.34215	0.030327	0.47307	307.87 *
	0.47317	24.21050	19.73950	0.00000	0.40417	0.28795	0.34543	0.020846	0.49581	307.87 *
	0.94635	24.50100	19.36600	0.00000	0.41185	0.30678	0.34755	0.010696	0.51344	307.87 *
B13	Line 19	24.50100	19.36600	0.00000	0.41185	0.30678	0.34755	-0.51349	0.0073141	217.50 *
	0.45943	24.13650	19.08633	0.00000	0.27435	0.20450	0.30729	-0.34215	0.0047608	217.50 *
	0.91886	23.77200	18.80667	0.00000	0.13683	0.10206	0.26473	-0.17068	0.0023221	217.50 *
	1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.21211	0.0	0.0	217.50 *
	1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.19486	0.0	0.0	217.50 *
	2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.17896	0.0	0.0	217.50 *
	2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.16429	0.0	0.0	217.50 *
B14	Line 20	22.31400	17.68800	0.00000	0.0	0.0	0.16429	0.0	0.0	127.47 *
	0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.16083	0.0	0.0	127.47 *
	0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.15720	0.0	0.0	127.47 *
	1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.15342	0.0	0.0	127.47 *
	1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.14952	0.0	0.0	127.47 *
	2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.14551	0.0	0.0	127.47 *
B15	Line 21	20.96500	19.44800	0.00000	0.0	0.0	0.14551	0.0	0.0	216.91 *
	0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.13288	0.0	0.0	216.91 *
	0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.12126	0.0	0.0	216.91 *
	1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.11056	0.0	0.0	216.91 *
	1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.10070	0.0	0.0	216.91 *
	2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.091615	0.0	0.0	216.91 *
	2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.083242	0.0	0.0	216.91 *
	3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.075525	0.0	0.0	216.91 *
	3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.068412	0.0	0.0	216.91 *
	4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.061855	0.0	0.0	216.91 *
B16	Line 22	17.42900	16.79200	0.00000	0.0	0.0	0.061855	0.0	0.0	305.69 *
	0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.063454	0.0	0.0	305.69 *
	0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.064978	0.0	0.0	305.69 *
	1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.066418	0.0	0.0	305.69 *
	1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.067767	0.0	0.0	305.69 *
	2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.069018	0.0	0.0	305.69 *
	2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.070166	0.0	0.0	305.69 *
	3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.071204	0.0	0.0	305.69 *
	3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.072127	0.0	0.0	305.69 *
	4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.072931	0.0	0.0	305.69 *
B17	Line 23	20.02000	13.18500	0.00000	0.0	0.0	0.072931	0.0	0.0	219.29 *
	0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.065885	0.0	0.0	219.29 *
	0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.059408	0.0	0.0	219.29 *
	1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.053451	0.0	0.0	219.29 *
	1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.047973	0.0	0.0	219.29 *
B18	Line 24	18.50800	11.94800	0.00000	0.0	0.0	0.047973	0.0	0.0	307.49 *
	0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.048511	0.0	0.0	307.49 *
	0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.048987	0.0	0.0	307.49 *
	1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.049395	0.0	0.0	307.49 *
B19	Line 25	19.31100	10.90100	0.00000	0.0	0.0	0.049395	0.0	0.0	216.99 *
	0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.044353	0.0	0.0	216.99 *
	0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.039709	0.0	0.0	216.99 *
	1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.035429	0.0	0.0	216.99 *
	1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.031486	0.0	0.0	216.99 *
	2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.027853	0.0	0.0	216.99 *
B20	Line 26	17.42200	9.47800	0.00000	0.0	0.0	0.027853	0.0	0.0	307.58 *
	0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.028080	0.0	0.0	307.58 *
	0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.028258	0.0	0.0	307.58 *
	1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.028387	0.0	0.0	307.58 *
	1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.028467	0.0	0.0	307.58 *
	2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.028498	0.0	0.0	307.58 *
	2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.028479	0.0	0.0	307.58 *
	3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.028412	0.0	0.0	307.58 *
	3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.028295	0.0	0.0	307.58 *
	4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.028130	0.0	0.0	307.58 *
	4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.027917	0.0	0.0	307.58 *
	5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.027659	0.0	0.0	307.58 *
C1	Line 27	36.28600	29.95000	0.00000	4.8497	-6.4489	10.348	-8.0679	0.13300	127.89 *
	0.45629	36.00578	30.31011	0.00000	4.6409	-6.1713	9.7671	-7.7205	0.12727	127.89 *
	0.91259	35.72556	30.67022	0.00000	4.4371	-5.9003	9.2544	-7.3815	0.12168	127.89 *
	1.3689	35.44533	31.03033	0.00000	4.2381	-5.6356	8.7772	-7.0504	0.11623	127.89 *
	1.8252	35.16511	31.39044	0.00000	4.0436	-5.3770	8.3187	-6.7269	0.11089	127.89 *
	2.2815	34.88489	31.75056	0.00000	3.8535	-5.1242	7.8702	-6.4106	0.10568	127.89 *
	2.7378	34.60467	32.11067	0.00000	3.6674	-4.8768	7.4276	-6.1011	0.10058	127.89 *
	3.1941	34.32444	32.47078	0.00000	3.4853	-4.6345	6.9892	-5.7980	0.095579	127.89 *
	3.6504	34.04422	32.83089	0.00000	3.3067	-4.3971	6.5552	-5.5010	0.090683	127.89 *
	4.1066	33.76400	33.19100	0.00000	3.1316	-4.1643	6.1265	-5.2097	0.085881	127.89 *
C2	Line 28	33.76400	33.19100	0.00000	3.1316	-4.1643	6.1265	-0.16936	5.2076	215.08 *
	0.48792	33.36471	32.91057	0.00000	3.1256	-4.1563	6.0406	-0.16903	5.1976	215.08 *
	0.97585	32.96543	32.63014	0.00000	3.1196	-4.1482	5.9532	-0.16871	5.1876	215.08 *
	1.4638	32.56614	32.34971	0.00000	3.1126	-3.8578	5.7712	-0.32992	4.9459	215.08 *
	1.9517	32.16686	32.06929	0.00000	3.0900	-3.4752	5.5423	-0.53135	4.6199	215.08 *
	2.4396	31.76757	31.78886	0.00000	3.0498	-3.0957	5.2958	-0.71652	4.2862	215.08 *
	2.9275	31.36829	31.50843	0.00000	2.9917	-2.7292	5.0348	-0.87967	3.9529	215.08 *
	3.4155	30.96900	31.22800	0.00000	2.9264	-2.3761	4.7645	-1.0292	3.6263	215.08 *
C3	Line 29	30.96900	31.22800	0.00000	2.9264	-2.3761	4.7645	-3.6264	-1.0289	125.09 *
	0.48944	30.68767	31.62850	0.00000	2.7669	-2.3460	4.4571	-3.5101	-0.91562	125.09 *
	0.97887	30.40633	32.02900	0.00000	2.6066	-2.2910	4.1439	-3.3730	-0.81608	125.09 *
	1.4683	30.12500	32.42950	0.00000	2.4461	-2.2159	3.8299	-3.2193	-0.72790	125.09 *
	1.9577	29.84367	32.83000	0.00000	2.2857	-2.1244	3.5192	-3.0522	-0.64925	125.09 *
	2.4472	29.56233	33.23050	0.00000	2.1256	-2.0193	3.2156	-2.8742	-0.57865	125.09 *
	2.9366	29.28100	33.63100	0.00000	1.9659	-1.9029	2.9223	-2.6872	-0.51488	125.09 *
C4	Line 30	29.28100	33.63100	0.00000	1.9659	-1.9029	2.9223	0.42810	-2.7023	36.931 *
	0.48464	29.66840	33.92220	0.00000	1.9963	-2.0846	3.0617	0.34317	-2.8658	36.931 *

Type/No.		Coordinates			Displacements					Angle of Line
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	to x Axis
	0.96928	30.05580	34.21340	0.00000	2.0182	-2.2646	3.1905	0.25254	-3.0229	36.931 *
	1.4539	30.44320	34.50460	0.00000	2.0313	-2.4400	3.3070	0.15764	-3.1710	36.931 *
	1.9386	30.83060	34.79580	0.00000	2.0353	-2.6078	3.4096	0.060026	-3.3075	36.931 *
	2.4232	31.21800	35.08700	0.00000	2.0333	-2.7038	3.4770	746.40E-6	-3.3830	36.931 *
C5	Line 31	31.21800	35.08700	0.00000	2.0333	-2.7038	3.4770	-1.3675	-3.0943	60.787 *
	0.42208	31.42400	35.45540	0.00000	1.9746	-2.6257	3.3788	-1.3281	-3.0050	60.787 *
	0.84417	31.63000	35.82380	0.00000	1.9161	-2.5480	3.2803	-1.2887	-2.9160	60.787 *
	1.2663	31.83600	36.19220	0.00000	1.8579	-2.4705	3.1819	-1.2495	-2.8273	60.787 *
	1.6883	32.04200	36.56060	0.00000	1.7998	-2.3933	3.0836	-1.2105	-2.7389	60.787 *
	2.1104	32.24800	36.92900	0.00000	1.7419	-2.3163	2.9857	-1.1716	-2.6509	60.787 *
C6	Line 32	32.24800	36.92900	0.00000	1.7419	-2.3163	2.9857	0.030263	-2.8980	36.346 *
	0.46414	32.62185	37.20408	0.00000	1.7436	-2.3185	3.0094	0.030291	-2.9008	36.346 *
	0.92829	32.99569	37.47915	0.00000	1.7452	-2.3207	3.0318	0.030320	-2.9035	36.346 *
	1.3924	33.36954	37.75423	0.00000	1.7468	-2.3229	3.0526	0.030348	-2.9062	36.346 *
	1.8566	33.74338	38.02931	0.00000	1.7485	-2.3250	3.0719	0.030377	-2.9090	36.346 *
	2.3207	34.11723	38.30438	0.00000	1.7501	-2.3272	3.0894	0.030405	-2.9117	36.346 *
	2.7849	34.49108	38.57946	0.00000	1.7518	-2.3294	3.1051	0.030434	-2.9144	36.346 *
	3.2490	34.86492	38.85454	0.00000	1.7534	-2.3316	3.1189	0.030463	-2.9172	36.346 *
	3.7131	35.23877	39.12962	0.00000	1.7551	-2.3338	3.1308	0.030491	-2.9199	36.346 *
	4.1773	35.61262	39.40469	0.00000	1.7567	-2.3360	3.1407	0.030520	-2.9226	36.346 *
	4.6414	35.98646	39.67977	0.00000	1.7583	-2.3382	3.1485	0.030548	-2.9254	36.346 *
	5.1056	36.36031	39.95485	0.00000	1.7600	-2.3403	3.1542	0.030577	-2.9281	36.346 *
	5.5697	36.73415	40.22992	0.00000	1.7616	-2.3425	3.1579	0.030605	-2.9308	36.346 *
	6.0339	37.10800	40.50500	0.00000	1.7633	-2.3447	3.1594	0.030634	-2.9336	36.346 *
C7	Line 33	37.10800	40.50500	0.00000	1.7633	-2.3447	3.1594	2.9336	0.028936	306.38 *
	0.44342	37.37100	40.14800	0.00000	1.9143	-2.5455	3.4866	3.1848	0.031414	306.38 *
C8	Line 34	37.37100	40.14800	0.00000	1.9143	-2.5455	3.4866	0.032820	-3.1848	36.354 *
	0.49716	37.77140	40.44270	0.00000	1.9160	-2.5478	3.4855	0.032850	-3.1877	36.354 *
	0.99432	38.17180	40.73740	0.00000	1.9178	-2.5502	3.4818	0.032880	-3.1906	36.354 *
	1.4915	38.57220	41.03210	0.00000	1.9195	-2.5525	3.4755	0.032910	-3.1935	36.354 *
	1.9886	38.97260	41.32680	0.00000	1.9213	-2.5548	3.4667	0.032940	-3.1965	36.354 *
	2.4858	39.37300	41.62150	0.00000	1.9230	-2.5571	3.4553	0.032970	-3.1994	36.354 *
	2.9830	39.77340	41.91620	0.00000	1.9248	-2.5595	3.4415	0.033000	-3.2023	36.354 *
	3.4801	40.17380	42.21090	0.00000	1.9265	-2.5618	3.4254	0.033031	-3.2052	36.354 *
	3.9773	40.57420	42.50560	0.00000	1.9283	-2.5641	3.4071	0.033061	-3.2081	36.354 *
	4.4744	40.97460	42.80030	0.00000	1.9301	-2.5665	3.3868	0.033091	-3.2110	36.354 *
	4.9716	41.37500	43.09500	0.00000	1.9318	-2.5688	3.3646	0.033121	-3.2140	36.354 *
C9	Line 35	41.37500	43.09500	0.00000	1.9318	-2.5688	3.3646	3.2140	0.033371	306.35 *
	0.43642	41.63367	42.74350	0.00000	2.0820	-2.7685	3.6908	3.4638	0.035965	306.35 *
	0.87284	41.89233	42.39200	0.00000	2.2337	-2.9703	4.0342	3.7163	0.038587	306.35 *
	1.3093	42.15100	42.04050	0.00000	2.3873	-3.1745	4.3936	3.9717	0.041240	306.35 *
	1.7457	42.40967	41.68900	0.00000	2.5428	-3.3813	4.7680	4.2305	0.043926	306.35 *
	2.1821	42.66833	41.33750	0.00000	2.7006	-3.5911	5.1560	4.4929	0.046651	306.35 *
	2.6185	42.92700	40.98600	0.00000	2.8607	-3.8040	5.5561	4.7593	0.049417	306.35 *
C10	Line 36	42.92700	40.98600	0.00000	2.8607	-3.8040	5.5561	-0.048940	4.7593	216.35 *
	0.41162	42.59550	40.74200	0.00000	2.8591	-3.8019	5.5948	-0.048914	4.7567	216.35 *
	0.82323	42.26400	40.49800	0.00000	2.8575	-3.7998	5.6309	-0.048887	4.7541	216.35 *
C11	Line 37	42.26400	40.49800	0.00000	2.8575	-3.7998	5.6309	4.7541	0.050028	306.34 *
	0.49410	42.55680	40.10000	0.00000	3.0419	-4.0450	6.1086	5.0608	0.053255	306.34 *
	0.98820	42.84960	39.70200	0.00000	3.2299	-4.2949	6.6000	5.3736	0.056546	306.34 *
	1.4823	43.14240	39.30400	0.00000	3.4217	-4.5500	7.1041	5.6927	0.059905	306.34 *
	1.9764	43.43520	38.90600	0.00000	3.6177	-4.8107	7.6206	6.0189	0.063337	306.34 *
	2.4705	43.72800	38.50800	0.00000	3.8182	-5.0773	8.1509	6.3524	0.066847	306.34 *
	2.9646	44.02080	38.11000	0.00000	4.0235	-5.3502	8.6985	6.6939	0.070440	306.34 *
	3.4587	44.31360	37.71200	0.00000	4.2338	-5.6299	9.2712	7.0438	0.074122	306.34 *
	3.9528	44.60640	37.31400	0.00000	4.4494	-5.9166	9.8835	7.4025	0.077897	306.34 *
	4.4469	44.89920	36.91600	0.00000	4.6707	-6.2108	10.562	7.7706	0.081770	306.34 *
	4.9410	45.19200	36.51800	0.00000	4.8978	-6.5129	11.355	8.1486	0.085747	306.34 *
C12	Line 38	45.19200	36.51800	0.00000	4.8978	-6.5129	11.355	-0.076228	8.1487	216.41 *
	0.48113	44.80478	36.23243	0.00000	4.8957	-6.5101	11.523	-0.076196	8.1452	216.41 *
	0.96226	44.41757	35.94687	0.00000	4.8936	-6.5073	11.665	-0.076163	8.1417	216.41 *
	1.4434	44.03035	35.66130	0.00000	4.8915	-6.5045	11.784	-0.076130	8.1382	216.41 *
	1.9245	43.64313	35.37574	0.00000	4.8895	-6.5017	11.882	-0.076098	8.1347	216.41 *
	2.4056	43.25591	35.09017	0.00000	4.8874	-6.4989	11.960	-0.076065	8.1312	216.41 *
	2.8868	42.86870	34.80461	0.00000	4.8853	-6.4962	12.021	-0.076033	8.1277	216.41 *
	3.3679	42.48148	34.51904	0.00000	4.8832	-6.4934	12.064	-0.076000	8.1243	216.41 *
	3.8490	42.09426	34.23348	0.00000	4.8811	-6.4906	12.091	-0.075967	8.1208	216.41 *
	4.3302	41.70704	33.94791	0.00000	4.8790	-6.4878	12.103	-0.075935	8.1173	216.41 *
	4.8113	41.31983	33.66235	0.00000	4.8769	-6.4850	12.100	-0.075902	8.1138	216.41 *
	5.2924	40.93261	33.37678	0.00000	4.8748	-6.4822	12.081	-0.075870	8.1103	216.41 *
	5.7735	40.54539	33.09122	0.00000	4.8727	-6.4795	12.047	-0.075837	8.1069	216.41 *
	6.2547	40.15817	32.80565	0.00000	4.8706	-6.4767	11.998	-0.075805	8.1034	216.41 *
	6.7358	39.77096	32.52009	0.00000	4.8685	-6.4739	11.932	-0.075772	8.0999	216.41 *
	7.2169	39.38374	32.23452	0.00000	4.8664	-6.4711	11.848	-0.075740	8.0964	216.41 *
	7.6981	38.99652	31.94896	0.00000	4.8644	-6.4684	11.747	-0.075707	8.0929	216.41 *
	8.1792	38.60930	31.66339	0.00000	4.8623	-6.4656	11.625	-0.075675	8.0895	216.41 *
	8.6603	38.22209	31.37783	0.00000	4.8602	-6.4628	11.482	-0.075642	8.0860	216.41 *
	9.1414	37.83487	31.09226	0.00000	4.8581	-6.4600	11.314	-0.075610	8.0825	216.41 *
	9.6226	37.44765	30.80670	0.00000	4.8560	-6.4572	11.120	-0.075577	8.0790	216.41 *
	10.104	37.06043	30.52113	0.00000	4.8539	-6.4545	10.895	-0.075545	8.0756	216.41 *
	10.585	36.67322	30.23557	0.00000	4.8518	-6.4517	10.638	-0.075512	8.0721	216.41 *
	11.066	36.28600	29.95000	0.00000	4.8497	-6.4489	10.348	-0.075480	8.0686	216.41 *
D1	Line 39	27.55900	34.85000	0.00000	1.2712	-1.1690	1.7363	-1.6942	-0.33477	126.22 *
	0.48439	27.27278	35.24078	0.00000	1.1167	-1.0331	1.5403	-1.4933	-0.29045	126.22 *
	0.96877	26.98656	35.63156	0.00000	0.96197	-0.89125	1.3601	-1.2874	-0.24943	126.22 *
	1.4532	26.70033	36.02233	0.00000	0.84441	-0.79389	1.1950	-1.1394	-0.21212	126.22 *
	1.9375	26.41411	36.41311	0.00000	0.73187	-0.69876	1.0436	-0.99618	-0.17754	126.22 *
	2.4219	26.12789	36.80389	0.00000	0.61958	-0.59998	0.90393	-0.85014	-0.14531	126.22 *
	2.9063	25.84167	37.19467	0.00000	0.50751	-0.49792	0.77370	-0.70158	-0.11521	126.22 *
	3.3907	25.55544	37.58544	0.00000	0.39565	-0.39289	0.64992	-0.55075	-0.087032	126.22 *
	3.8751	25.26922	37.97622	0.00000	0.28397	-0.28517	0.52910	-0.39786	-0.060589	126.22 *
	4.3595	24.98300	38.36700	0.00000	0.17247	-0.17501	0.40722	-0.24310	-0.035726	126.22 *
D2	Line 40	24.98300	38.36700	0.00000	0.17247	-0.17501	0.40722	-0.035685	0.24310	216.23 *
	0.49046	24.58738	38.07712	0.00000	0.14903	-0.14366	0.37253	-0.035307	0.20396	216.23 *
	0.98091	24.19175	37.78725	0.00000	0.12175	-0.11135	0.33506	-0.032401	0.16178	216.23 *
	1.4714	23.79613	37.49737	0.00000	0.090662	-0.078560	0.29484	-0.026701	0.11695	216.23 *
	1.9618	23.40050	37.20750	0.00000	0.055789	-0.045741	0.25176	-0.017967	0.069870	216.23 *
	2.4523	23.00488	36.91763	0.00000	0.017181	-0.013311	0.20563	-0.0059922	0.020892	216.23 *
	2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.17700	0.0	0.0	216.23 *
	3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.16857	0.0	0.0	216.23 *
	3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.16030	0.0	0.0	216.23 *
D3	Line 41	21.81800	36.04800	0.00000	0.0	0.0	0.16030	0.0	0.0	125.27 *
	0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.14855	0.0	0.0	125.27 *
	0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.13755	0.0	0.0	125.27 *
	1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.12724	0.0	0.0	125.27 *
	1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.11760	0.0	0.0	125.27 *
	2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.10857	0.0	0.0	125.27 *
	2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.10013	0.0	0.0	125.27 *
	3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.092232	0.0	0.0	125.27 *
D4	Line 42	19.89300	38.77000	0.00000	0.0	0.0	0.092232	0.0	0.0	35.945 *
	0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.096710	0.0	0.0	35.945 *
	0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.10124	0.0	0.0	35.945 *
	1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.10582	0.0	0.0	35.945 *
	1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.11043	0.0	0.0	35.945 *
	2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.11507	0.0	0.0	35.945 *
	2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.11971	0.0	0.0	35.945 *
	3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.12435	0.0	0.0	35.945 *
	3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.12897	0.0	0.0	35.945 *
	4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.13356	0.0	0.0	35.945 *
	4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.13809	0.0	0.0	35.945 *
	5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.14255	0.0	0.0	35.945 *
	5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.14692	0.0	0.0	35.945 *
	6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.15120	0.0	0.0	35.945 *
	6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.15534	0.0	0.0	35.945 *
	7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.15935	0.0	0.0	35.945 *
	7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.16320	0.0	0.0	35.945 *
	8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.16688	0.0	0.0	35.945 *
	8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.17037	0.0	0.0	35.945 *
	9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.17364	0.0	0.0	35.945 *
	9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.17670	0.0	0.0	35.945 *
	10.190	28.14282	44.75182	0.00000	0.0	0.0	0.17951	0.0	0.0	35.945 *
	10.676	28.53567	45.03667	0.00000	0.0	0.0	0.18207	0.0	0.0	35.945 *
	11.161	28.92852	45.32152	0.00000	0.0	0.0	0.18437	0.0	0.0	35.945 *
	11.646	29.32136	45.60636	0.00000	0.0	0.0	0.18639	0.0	0.0	35.945 *
	12.131	29.71421	45.89121	0.00000	0.0	0.0	0.18812	0.0	0.0	35.945 *
	12.617	30.10706	46.17606	0.00000	0.0	0.0	0.18956	0.0	0.0	35.945 *
	13.102	30.49991	46.46091	0.00000	0.0	0.0	0.19069	0.0	0.0	35.945 *
	13.587	30.89276	46.74576	0.00000	0.0	0.0	0.19152	0.0	0.0	35.945 *
	14.072	31.28561	47.03061	0.00000	0.0	0.0	0.19202	0.0	0.0	35.945 *
	14.558	31.67845	47.31545	0.00000	0.0	0.0	0.19222	0.0	0.0	35.945 *
	15.043	32.07130	47.60030	0.00000	0.0	0.0	0.19209	0.0	0.0	35.945 *

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	15.528	32.46415	47.88515	0.00000	0.0	0.0	0.19165	0.0	0.0	35.945 *
	16.013	32.85700	48.17000	0.00000	0.0	0.0	0.19089	0.0	0.0	35.945 *
D5	Line 43	32.85700	48.17000	0.00000	0.0	0.0	0.19089	0.0	0.0	306.49 *
	0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.20734	0.0	0.0	306.49 *
	0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.22516	0.0	0.0	306.49 *
	1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.24445	0.0	0.0	306.49 *
	1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.26537	0.0	0.0	306.49 *
	2.2088	34.17057	46.39429	0.00000	0.023759	-0.031594	0.32050	0.039529	311.92E-6	306.49 *
	2.6505	34.43329	46.03914	0.00000	0.12332	-0.16399	0.46046	0.20518	0.0016190	306.49 *
	3.0923	34.69600	45.68400	0.00000	0.22288	-0.29638	0.59552	0.37082	0.0029261	306.49 *
D6	Line 44	34.69600	45.68400	0.00000	0.22288	-0.29638	0.59552	-0.0029723	0.37082	216.48 *
	0.38681	34.38500	45.45400	0.00000	0.22219	-0.29545	0.59626	-0.0029630	0.36966	216.48 *
	0.77362	34.07400	45.22400	0.00000	0.22149	-0.29452	0.59661	-0.0029537	0.36850	216.48 *
	1.1604	33.76300	44.99400	0.00000	0.22079	-0.29359	0.59657	-0.0029444	0.36733	216.48 *
D7	Line 45	33.76300	44.99400	0.00000	0.22079	-0.29359	0.59657	0.36733	0.0035984	306.38 *
	0.45636	34.03370	44.62660	0.00000	0.32364	-0.43036	0.73557	0.53845	0.0052747	306.38 *
	0.91271	34.30440	44.25920	0.00000	0.42649	-0.56713	0.87762	0.70956	0.0069510	306.38 *
	1.3691	34.57510	43.89180	0.00000	0.52934	-0.70389	1.0263	0.88068	0.0086273	306.38 *
	1.8254	34.84580	43.52440	0.00000	0.63220	-0.84066	1.1850	1.0518	0.010304	306.38 *
	2.2818	35.11650	43.15700	0.00000	0.73505	-0.97743	1.3564	1.2229	0.011980	306.38 *
	2.7381	35.38720	42.78960	0.00000	0.83790	-1.1142	1.5430	1.3940	0.013656	306.38 *
	3.1945	35.65790	42.42220	0.00000	0.96031	-1.2770	1.7469	1.5977	0.015651	306.38 *
	3.6509	35.92860	42.05480	0.00000	1.1116	-1.4781	1.9699	1.8493	0.018116	306.38 *
	4.1072	36.19930	41.68740	0.00000	1.2631	-1.6796	2.2131	2.1015	0.020586	306.38 *
	4.5636	36.47000	41.32000	0.00000	1.4152	-1.8819	2.4777	2.3545	0.023065	306.38 *
D8	Line 46	36.47000	41.32000	0.00000	1.4152	-1.8819	2.4777	-0.039523	2.3543	215.98 *
	0.47879	36.08257	41.03870	0.00000	1.4125	-1.8783	2.4743	-0.039448	2.3498	215.98 *
	0.95758	35.69513	40.75739	0.00000	1.4098	-1.8747	2.4691	-0.039373	2.3454	215.98 *
	1.4364	35.30770	40.47609	0.00000	1.4072	-1.8712	2.4623	-0.039298	2.3409	215.98 *
	1.9152	34.92026	40.19478	0.00000	1.4045	-1.8676	2.4537	-0.039223	2.3364	215.98 *
	2.3939	34.53283	39.91348	0.00000	1.4018	-1.8640	2.4435	-0.039148	2.3320	215.98 *
	2.8727	34.14539	39.63217	0.00000	1.3991	-1.8604	2.4316	-0.039074	2.3275	215.98 *
	3.3515	33.75796	39.35087	0.00000	1.3964	-1.8569	2.4181	-0.038999	2.3230	215.98 *
	3.8303	33.37052	39.06957	0.00000	1.3937	-1.8533	2.4032	-0.038924	2.3186	215.98 *
	4.3091	32.98309	38.78826	0.00000	1.3911	-1.8497	2.3867	-0.038849	2.3141	215.98 *
	4.7879	32.59565	38.50696	0.00000	1.3884	-1.8462	2.3690	-0.038774	2.3096	215.98 *
	5.2667	32.20822	38.22565	0.00000	1.3857	-1.8426	2.3499	-0.038699	2.3052	215.98 *
	5.7455	31.82078	37.94435	0.00000	1.3830	-1.8390	2.3297	-0.038624	2.3007	215.98 *
	6.2242	31.43335	37.66304	0.00000	1.3803	-1.8355	2.3084	-0.038549	2.2963	215.98 *
	6.7030	31.04591	37.38174	0.00000	1.3776	-1.8319	2.2862	-0.038474	2.2918	215.98 *
	7.1818	30.65848	37.10043	0.00000	1.3750	-1.8283	2.2631	-0.038399	2.2873	215.98 *
	7.6606	30.27104	36.81913	0.00000	1.3723	-1.8248	2.2393	-0.038324	2.2829	215.98 *
	8.1394	29.88361	36.53783	0.00000	1.3696	-1.8210	2.2149	-0.038387	2.2783	215.98 *
	8.6182	29.49617	36.25652	0.00000	1.3705	-1.7257	2.1543	-0.095146	2.2017	215.98 *
	9.0970	29.10874	35.97522	0.00000	1.3643	-1.6228	2.0848	-0.15054	2.1148	215.98 *
	9.5758	28.72130	35.69391	0.00000	1.3511	-1.5142	2.0072	-0.20369	2.0191	215.98 *
	10.055	28.33387	35.41261	0.00000	1.3310	-1.4013	1.9225	-0.25378	1.9159	215.98 *
	10.533	27.94643	35.13130	0.00000	1.3043	-1.2857	1.8318	-0.30005	1.8067	215.98 *
	11.012	27.55900	34.85000	0.00000	1.2712	-1.1690	1.7363	-0.34181	1.6928	215.98 *

* Result includes imported displacement(s).

Specific Building Damage Results - Horizontal Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.57700	22.24700	0.00000	2.1473	1.6148	2.6855	-0.078803 d
0.47829	29.95067	22.54556	0.00000	2.2906	1.7225	2.8647	-0.084061 d
0.95658	30.32433	22.84411	0.00000	2.4339	1.8303	3.0439	-0.089319 d
1.4348	30.69800	23.14267	0.00000	2.5771	1.9380	3.2232	-0.094578 d
1.9132	31.07167	23.44122	0.00000	2.7204	2.0458	3.4024	-0.099836 d
2.3915	31.44533	23.73978	0.00000	2.8637	2.1536	3.5816	-0.10509 d
2.8697	31.81900	24.03833	0.00000	3.0158	2.2679	3.7718	-0.11068 d
3.3480	32.19267	24.33689	0.00000	3.2865	2.4715	4.1103	-0.12061 d
3.8263	32.56633	24.63544	0.00000	3.5571	2.6750	4.4488	-0.13054 d
4.3046	32.94000	24.93400	0.00000	3.8278	2.8785	4.7873	-0.14047 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94000	24.93400	0.00000	3.8278	2.8785	0.14016	4.7873 d
0.41896	33.20150	24.60667	0.00000	3.8347	2.8838	0.14041	4.7960 d
0.83792	33.46300	24.27933	0.00000	3.8416	2.8890	0.14066	4.8046 d
1.2569	33.72450	23.95200	0.00000	3.8486	2.8942	0.14092	4.8133 d
1.6758	33.98600	23.62467	0.00000	3.8555	2.8994	0.14117	4.8220 d
2.0948	34.24750	23.29733	0.00000	3.8625	2.9046	0.14143	4.8307 d
2.5138	34.50900	22.97000	0.00000	3.8694	2.9098	0.14168	4.8394 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.50900	22.97000	0.00000	3.8694	2.9098	4.8394	-0.14199 d
0.47280	34.87837	23.26512	0.00000	4.1369	3.1110	5.1740	-0.15181 d
0.94559	35.24775	23.56025	0.00000	4.4045	3.3122	5.5086	-0.16163 d
1.4184	35.61713	23.85537	0.00000	4.6720	3.5134	5.8432	-0.17144 d
1.8912	35.98650	24.15050	0.00000	4.9396	3.7146	6.1778	-0.18126 d
2.3640	36.35587	24.44563	0.00000	5.2071	3.9158	6.5124	-0.19108 d
2.8368	36.72525	24.74075	0.00000	5.4747	4.1170	6.8470	-0.20090 d
3.3096	37.09463	25.03588	0.00000	5.7422	4.3182	7.1816	-0.21071 d
3.7824	37.46400	25.33100	0.00000	6.0098	4.5194	7.5162	-0.22053 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.46400	25.33100	0.00000	6.0098	4.5194	-0.086077	7.5190 d
0.48725	37.75238	24.93825	0.00000	6.0066	4.5171	-0.086032	7.5150 d
0.97450	38.04075	24.54550	0.00000	6.0034	4.5147	-0.085986	7.5111 d
1.4618	38.32912	24.15275	0.00000	6.0003	4.5123	-0.085941	7.5071 d
1.9490	38.61750	23.76000	0.00000	5.9971	4.5099	-0.085896	7.5032 d
2.4363	38.90588	23.36725	0.00000	5.9940	4.5076	-0.085851	7.4992 d
2.9235	39.19425	22.97450	0.00000	5.9908	4.5052	-0.085805	7.4953 d
3.4108	39.48262	22.58175	0.00000	5.9877	4.5028	-0.085760	7.4913 d
3.8980	39.77100	22.18900	0.00000	5.9845	4.5004	-0.085715	7.4874 d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A5

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement	Horizontal displacement

[m]	[m]	[m]	[m]	[mm]	[mm]	along the Line [mm]	perpendicular to Line [mm]	
0.0	39.77100	22.18900	0.00000	5.9845	4.5004	-7.4859	0.17274	d
0.49935	39.37894	21.87975	0.00000	5.7019	4.2879	-7.1323	0.16458	d
0.99870	38.98687	21.57050	0.00000	5.4193	4.0754	-6.7788	0.15642	d
1.4980	38.59481	21.26125	0.00000	5.1366	3.8628	-6.4253	0.14826	d
1.9974	38.20275	20.95200	0.00000	4.8540	3.6503	-6.0718	0.14011	d
2.4967	37.81069	20.64275	0.00000	4.5714	3.4378	-5.7183	0.13195	d
2.9961	37.41862	20.33350	0.00000	4.2888	3.2252	-5.3648	0.12379	d
3.4954	37.02656	20.02425	0.00000	4.0062	3.0127	-5.0112	0.11563	d
3.9948	36.63450	19.71500	0.00000	3.7236	2.8002	-4.6577	0.10748	d
4.4941	36.24244	19.40575	0.00000	3.4410	2.5877	-4.3042	0.099320	d
4.9935	35.85038	19.09650	0.00000	3.1583	2.3751	-3.9507	0.091163	d
5.4928	35.45831	18.78725	0.00000	2.9328	2.2055	-3.6686	0.084654	d
5.9922	35.06625	18.47800	0.00000	2.7832	2.0930	-3.4815	0.080335	d
6.4915	34.67419	18.16875	0.00000	2.6336	1.9805	-3.2943	0.076016	d
6.9909	34.28213	17.85950	0.00000	2.4840	1.8680	-3.1072	0.071698	d
7.4902	33.89006	17.55025	0.00000	2.3344	1.7555	-2.9200	0.067379	d
7.9896	33.49800	17.24100	0.00000	2.1847	1.6430	-2.7328	0.063061	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A6

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	33.49800	17.24100	0.00000	2.1847	1.6430	-0.053741	-2.7330	d
0.48914	33.19638	17.62608	0.00000	2.1819	1.6408	-0.053670	-2.7294	d
0.97828	32.89477	18.01115	0.00000	2.1790	1.6386	-0.053599	-2.7258	d
1.4674	32.59315	18.39623	0.00000	2.1761	1.6365	-0.053528	-2.7222	d
1.9566	32.29154	18.78131	0.00000	2.1732	1.6343	-0.053457	-2.7186	d
2.4457	31.98992	19.16638	0.00000	2.1703	1.6321	-0.053386	-2.7150	d
2.9348	31.68831	19.55146	0.00000	2.1675	1.6300	-0.053315	-2.7114	d
3.4240	31.38669	19.93654	0.00000	2.1646	1.6278	-0.053244	-2.7078	d
3.9131	31.08508	20.32162	0.00000	2.1617	1.6256	-0.053173	-2.7042	d
4.4022	30.78346	20.70669	0.00000	2.1588	1.6235	-0.053102	-2.7006	d
4.8914	30.48185	21.09177	0.00000	2.1559	1.6213	-0.053032	-2.6970	d
5.3805	30.18023	21.47685	0.00000	2.1530	1.6191	-0.052961	-2.6934	d
5.8697	29.87862	21.86192	0.00000	2.1502	1.6170	-0.052890	-2.6898	d
6.3588	29.57700	22.24700	0.00000	2.1473	1.6148	-0.052819	-2.6862	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B1

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	d
0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0	d
0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0	d
1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0	d
1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0	d
2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0	d
2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0	d
3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0	d
3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B2

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	d
0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0	d
0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B3

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	d
0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0	d
0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0	d
1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0	d
1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0	d
2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0	d
2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0	d
3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0	d
3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0	d
4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0	d
4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0	d
5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B4

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	d
0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0	d
0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0	d
1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B5

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Displacements Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]	
0.0	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	d
0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0	d
0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0	d
1.4688	29.01377	11.66323	0.00000	0.10586	0.079609	0.13245	736.68E-6	d
1.9584	29.40669	11.95531	0.00000	0.25259	0.18995	0.31604	0.0017578	d
2.4479	29.79962	12.24738	0.00000	0.39933	0.30030	0.49963	0.0027789	d
2.9375	30.19254	12.53946	0.00000	0.54606	0.41064	0.68322	0.0038000	d
3.4271	30.58546	12.83154	0.00000	0.69279	0.52099	0.86681	0.0048211	d
3.9167	30.97838	13.12362	0.00000	0.83952	0.63133	1.0504	0.0058422	d
4.4063	31.37131	13.41569	0.00000	0.98626	0.74168	1.2340	0.0068633	d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
4.8959	31.76423	13.70777	0.00000	1.1330	0.85202	1.4176	0.0078844 d
5.3855	32.15715	13.99985	0.00000	1.2797	0.96237	1.6012	0.0089055 d
5.8751	32.55008	14.29192	0.00000	1.4265	1.0727	1.7848	0.0099266 d
6.3647	32.94300	14.58400	0.00000	1.5732	1.1831	1.9684	0.010948 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B6

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94300	14.58400	0.00000	1.5732	1.1831	0.0095366	-1.9684 d
0.35614	32.73033	14.86967	0.00000	1.5737	1.1834	0.0095398	-1.9690 d
0.71227	32.51767	15.15533	0.00000	1.5742	1.1838	0.0095429	-1.9697 d
1.0684	32.30500	15.44100	0.00000	1.5747	1.1842	0.0095460	-1.9703 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B7

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.30500	15.44100	0.00000	1.5747	1.1842	1.9701	0.027957 d
0.36690	32.60133	15.65733	0.00000	1.6847	1.2669	2.1077	0.029909 d
0.73379	32.89767	15.87367	0.00000	1.7946	1.3496	2.2452	0.031861 d
1.1007	33.19400	16.09000	0.00000	1.9046	1.4323	2.3828	0.033813 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B8

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.19400	16.09000	0.00000	1.9046	1.4323	690.00E-6	-2.3830 d
0.48246	32.90414	16.47568	0.00000	1.9046	1.4323	690.02E-6	-2.3831 d
0.96493	32.61427	16.86136	0.00000	1.9047	1.4323	690.04E-6	-2.3831 d
1.4474	32.32441	17.24705	0.00000	1.9047	1.4324	690.05E-6	-2.3832 d
1.9299	32.03455	17.63273	0.00000	1.9048	1.4324	690.07E-6	-2.3833 d
2.4123	31.74468	18.01841	0.00000	1.9048	1.4324	690.08E-6	-2.3833 d
2.8948	31.45482	18.40409	0.00000	1.9048	1.4325	690.10E-6	-2.3834 d
3.3772	31.16495	18.78977	0.00000	1.9049	1.4325	690.11E-6	-2.3834 d
3.8597	30.87509	19.17545	0.00000	1.9049	1.4325	690.13E-6	-2.3835 d
4.3422	30.58523	19.56114	0.00000	1.9050	1.4326	690.14E-6	-2.3835 d
4.8246	30.29536	19.94682	0.00000	1.9050	1.4326	690.16E-6	-2.3836 d
5.3071	30.00550	20.33250	0.00000	1.9051	1.4326	690.17E-6	-2.3836 d
5.7896	29.71564	20.71818	0.00000	1.9051	1.4327	690.19E-6	-2.3837 d
6.2720	29.42577	21.10386	0.00000	1.9051	1.4327	690.20E-6	-2.3837 d
6.7545	29.13591	21.48955	0.00000	1.9052	1.4327	690.22E-6	-2.3838 d
7.2370	28.84605	21.87523	0.00000	1.9052	1.4328	690.23E-6	-2.3838 d
7.7194	28.55618	22.26091	0.00000	1.9053	1.4328	690.25E-6	-2.3839 d
8.2019	28.26632	22.64659	0.00000	1.8953	1.3181	-0.085044	-2.3070 d
8.6843	27.97645	23.03227	0.00000	1.8779	1.1954	-0.17264	-2.2193 d
9.1668	27.68659	23.41795	0.00000	1.8532	1.0714	-0.25691	-2.1251 d
9.6493	27.39673	23.80364	0.00000	1.8214	0.94823	-0.33625	-2.0257 d
10.132	27.10686	24.18932	0.00000	1.7825	0.82775	-0.40924	-1.9223 d
10.614	26.81700	24.57500	0.00000	1.7369	0.71168	-0.47459	-1.8160 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B9

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	26.81700	24.57500	0.00000	1.7369	0.71168	-1.8075	0.50628 d
0.43274	26.47567	24.30900	0.00000	1.6123	0.69447	-1.6986	0.44327 d
0.86548	26.13433	24.04300	0.00000	1.4874	0.67081	-1.5856	0.38517 d
1.2982	25.79300	23.77700	0.00000	1.3623	0.64145	-1.4688	0.33140 d
1.7310	25.45167	23.51100	0.00000	1.2368	0.60699	-1.3487	0.28148 d
2.1637	25.11033	23.24500	0.00000	1.1132	0.56522	-1.2255	0.23845 d
2.5964	24.76900	22.97900	0.00000	0.99359	0.51369	-1.0995	0.20556 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B10

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.76900	22.97900	0.00000	0.99359	0.51369	0.18305	1.1034 d
0.43530	25.02950	22.63025	0.00000	1.0251	0.56721	0.15905	1.1607 d
0.87060	25.29000	22.28150	0.00000	1.0528	0.62078	0.13267	1.2149 d
1.3059	25.55050	21.93275	0.00000	1.0763	0.67380	0.10429	1.2656 d
1.7412	25.81100	21.58400	0.00000	1.0957	0.72563	0.074338	1.3121 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B11

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	25.81100	21.58400	0.00000	1.0957	0.72563	-1.3104	0.099997 d
0.47915	25.43280	21.28980	0.00000	0.95543	0.63660	-1.1450	0.084156 d
0.95831	25.05460	20.99560	0.00000	0.81492	0.54603	-0.97848	0.069375 d
1.4375	24.67640	20.70140	0.00000	0.67417	0.45406	-0.81092	0.055543 d
1.9166	24.29820	20.40720	0.00000	0.53320	0.36085	-0.64242	0.042566 d
2.3958	23.92000	20.11300	0.00000	0.39204	0.26650	-0.47307	0.030361 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B12

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.92000	20.11300	0.00000	0.39204	0.26650	0.030327	0.47307 d
0.47317	24.21050	19.73950	0.00000	0.40417	0.28795	0.020846	0.49581 d
0.94635	24.50100	19.36600	0.00000	0.41185	0.30678	0.010696	0.51344 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B13

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.50100	19.36600	0.00000	0.41185	0.30678	-0.51349	0.0073141 d
0.45943	24.13650	19.08633	0.00000	0.27435	0.20450	-0.34215	0.0047608 d
0.91886	23.77200	18.80667	0.00000	0.13683	0.10206	-0.17068	0.0023221 d
1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0 d
1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0 d
2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0 d
2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B14

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0 d
0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0 d
0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0 d
1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0 d
1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0 d
2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B15

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0 d
0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0 d
0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0 d
1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0 d
1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0 d
2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0 d
2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0 d
3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0 d
3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0 d
4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B16

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0 d
0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0 d
0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0 d
1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0 d
1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0 d
2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0 d
2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0 d
3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0 d
3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0 d
4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B17

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0 d
0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0 d
0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0 d
1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0 d
1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B18

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0 d
0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0 d
0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0 d
1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B19

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0 d
0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0 d
0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0 d
1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0 d
1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0 d
2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B20

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0 d
0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0 d
0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0 d
1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0 d
1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0 d
2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0 d
2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0 d

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]
3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0 d
3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0 d
4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0 d
4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0 d
5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C1

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.28600	29.95000	0.00000	4.8497	-6.4489	-8.0679	0.13300 d
0.45629	36.00578	30.31011	0.00000	4.6409	-6.1713	-7.7205	0.12727 d
0.91259	35.72556	30.67022	0.00000	4.4371	-5.9003	-7.3815	0.12168 d
1.3689	35.44533	31.03033	0.00000	4.2381	-5.6356	-7.0504	0.11623 d
1.8252	35.16511	31.39044	0.00000	4.0436	-5.3770	-6.7269	0.11089 d
2.2815	34.88489	31.75056	0.00000	3.8535	-5.1242	-6.4106	0.10568 d
2.7378	34.60467	32.11067	0.00000	3.6674	-4.8768	-6.1011	0.10058 d
3.1941	34.32444	32.47078	0.00000	3.4853	-4.6345	-5.7980	0.095579 d
3.6504	34.04422	32.83089	0.00000	3.3067	-4.3971	-5.5010	0.090683 d
4.1066	33.76400	33.19100	0.00000	3.1316	-4.1643	-5.2097	0.085881 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C2

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76400	33.19100	0.00000	3.1316	-4.1643	-0.16936	5.2076 d
0.48792	33.36471	32.91057	0.00000	3.1256	-4.1563	-0.16903	5.1976 d
0.97585	32.96543	32.63014	0.00000	3.1196	-4.1482	-0.16871	5.1876 d
1.4638	32.56614	32.34971	0.00000	3.1126	-3.8578	-0.32992	4.9459 d
1.9517	32.16686	32.06929	0.00000	3.0900	-3.4752	-0.53135	4.6199 d
2.4396	31.76757	31.78886	0.00000	3.0498	-3.0957	-0.71652	4.2862 d
2.9275	31.36829	31.50843	0.00000	2.9917	-2.7292	-0.87967	3.9529 d
3.4155	30.96900	31.22800	0.00000	2.9264	-2.3761	-1.0292	3.6263 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C3

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.96900	31.22800	0.00000	2.9264	-2.3761	-3.6264	-1.0289 d
0.48944	30.68767	31.62850	0.00000	2.7669	-2.3460	-3.5101	-0.91562 d
0.97887	30.40633	32.02900	0.00000	2.6066	-2.2910	-3.3730	-0.81608 d
1.4683	30.12500	32.42950	0.00000	2.4461	-2.2159	-3.2193	-0.72790 d
1.9577	29.84367	32.83000	0.00000	2.2857	-2.1244	-3.0522	-0.64925 d
2.4472	29.56233	33.23050	0.00000	2.1256	-2.0193	-2.8742	-0.57865 d
2.9366	29.28100	33.63100	0.00000	1.9659	-1.9029	-2.6872	-0.51488 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C4

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.28100	33.63100	0.00000	1.9659	-1.9029	0.42810	-2.7023 d
0.48464	29.66840	33.92220	0.00000	1.9963	-2.0846	0.34317	-2.8658 d
0.96928	30.05580	34.21340	0.00000	2.0182	-2.2646	0.25254	-3.0229 d
1.4539	30.44320	34.50460	0.00000	2.0313	-2.4400	0.15764	-3.1710 d
1.9386	30.83060	34.79580	0.00000	2.0353	-2.6078	0.060026	-3.3075 d
2.4232	31.21800	35.08700	0.00000	2.0333	-2.7038	746.40E-6	-3.3830 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C5

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.21800	35.08700	0.00000	2.0333	-2.7038	-1.3675	-3.0943 d
0.42208	31.42400	35.45540	0.00000	1.9746	-2.6257	-1.3281	-3.0050 d
0.84417	31.63000	35.82380	0.00000	1.9161	-2.5480	-1.2887	-2.9160 d
1.2663	31.83600	36.19220	0.00000	1.8579	-2.4705	-1.2495	-2.8273 d
1.6883	32.04200	36.56060	0.00000	1.7998	-2.3933	-1.2105	-2.7389 d
2.1104	32.24800	36.92900	0.00000	1.7419	-2.3163	-1.1716	-2.6509 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C6

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.24800	36.92900	0.00000	1.7419	-2.3163	0.030263	-2.8980 d
0.46414	32.62185	37.20408	0.00000	1.7436	-2.3185	0.030291	-2.9008 d
0.92829	32.99569	37.47915	0.00000	1.7452	-2.3207	0.030320	-2.9035 d
1.3924	33.36954	37.75423	0.00000	1.7468	-2.3229	0.030348	-2.9062 d
1.8566	33.74338	38.02931	0.00000	1.7485	-2.3250	0.030377	-2.9090 d
2.3207	34.11723	38.30438	0.00000	1.7501	-2.3272	0.030405	-2.9117 d
2.7849	34.49108	38.57946	0.00000	1.7518	-2.3294	0.030434	-2.9144 d
3.2490	34.86492	38.85454	0.00000	1.7534	-2.3316	0.030463	-2.9172 d
3.7131	35.23877	39.12962	0.00000	1.7551	-2.3338	0.030491	-2.9199 d
4.1773	35.61262	39.40469	0.00000	1.7567	-2.3360	0.030520	-2.9226 d
4.6414	35.98646	39.67977	0.00000	1.7583	-2.3382	0.030548	-2.9254 d
5.1056	36.36031	39.95485	0.00000	1.7600	-2.3403	0.030577	-2.9281 d
5.5697	36.73415	40.22992	0.00000	1.7616	-2.3425	0.030605	-2.9308 d
6.0339	37.10800	40.50500	0.00000	1.7633	-2.3447	0.030634	-2.9336 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C7

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.10800	40.50500	0.00000	1.7633	-2.3447	2.9336	0.028936 d
0.44342	37.37100	40.14800	0.00000	1.9143	-2.5455	3.1848	0.031414 d

d - Displacements include imported displacements.

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.37100	40.14800	0.00000	1.9143	-2.5455	0.032820	-3.1848 d
0.49716	37.77140	40.44270	0.00000	1.9160	-2.5478	0.032850	-3.1877 d
0.99432	38.17180	40.73740	0.00000	1.9178	-2.5502	0.032880	-3.1906 d
1.4915	38.57220	41.03210	0.00000	1.9195	-2.5525	0.032910	-3.1935 d
1.9886	38.97260	41.32680	0.00000	1.9213	-2.5548	0.032940	-3.1965 d
2.4858	39.37300	41.62150	0.00000	1.9230	-2.5571	0.032970	-3.1994 d
2.9830	39.77340	41.91620	0.00000	1.9248	-2.5595	0.033000	-3.2023 d
3.4801	40.17380	42.21090	0.00000	1.9265	-2.5618	0.033031	-3.2052 d
3.9773	40.57420	42.50560	0.00000	1.9283	-2.5641	0.033061	-3.2081 d
4.4744	40.97460	42.80030	0.00000	1.9301	-2.5665	0.033091	-3.2110 d
4.9716	41.37500	43.09500	0.00000	1.9318	-2.5688	0.033121	-3.2140 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C9

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.37500	43.09500	0.00000	1.9318	-2.5688	3.2140	0.033371 d
0.43642	41.63367	42.74350	0.00000	2.0820	-2.7685	3.4638	0.035965 d
0.87284	41.89233	42.39200	0.00000	2.2337	-2.9703	3.7163	0.038587 d
1.3093	42.15100	42.04050	0.00000	2.3873	-3.1745	3.9717	0.041240 d
1.7457	42.40967	41.68900	0.00000	2.5428	-3.3813	4.2305	0.043926 d
2.1821	42.66833	41.33750	0.00000	2.7006	-3.5911	4.4929	0.046651 d
2.6185	42.92700	40.98600	0.00000	2.8607	-3.8040	4.7593	0.049417 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C10

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.92700	40.98600	0.00000	2.8607	-3.8040	-0.048940	4.7593 d
0.41162	42.59550	40.74200	0.00000	2.8591	-3.8019	-0.048914	4.7567 d
0.82323	42.26400	40.49800	0.00000	2.8575	-3.7998	-0.048887	4.7541 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C11

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.26400	40.49800	0.00000	2.8575	-3.7998	4.7541	0.050028 d
0.49410	42.55680	40.10000	0.00000	3.0419	-4.0450	5.0608	0.053255 d
0.98820	42.84960	39.70200	0.00000	3.2299	-4.2949	5.3736	0.056546 d
1.4823	43.14240	39.30400	0.00000	3.4217	-4.5500	5.6927	0.059905 d
1.9764	43.43520	38.90600	0.00000	3.6177	-4.8107	6.0189	0.063337 d
2.4705	43.72800	38.50800	0.00000	3.8182	-5.0773	6.3524	0.066847 d
2.9646	44.02080	38.11000	0.00000	4.0235	-5.3502	6.6939	0.070440 d
3.4587	44.31360	37.71200	0.00000	4.2338	-5.6299	7.0438	0.074122 d
3.9528	44.60640	37.31400	0.00000	4.4494	-5.9166	7.4025	0.077897 d
4.4469	44.89920	36.91600	0.00000	4.6707	-6.2108	7.7706	0.081770 d
4.9410	45.19200	36.51800	0.00000	4.8978	-6.5129	8.1486	0.085747 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C12

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	45.19200	36.51800	0.00000	4.8978	-6.5129	-0.076228	8.1487 d
0.48113	44.80478	36.23243	0.00000	4.8957	-6.5101	-0.076196	8.1452 d
0.96226	44.41757	35.94687	0.00000	4.8936	-6.5073	-0.076163	8.1417 d
1.4434	44.03035	35.66130	0.00000	4.8915	-6.5045	-0.076130	8.1382 d
1.9245	43.64313	35.37574	0.00000	4.8895	-6.5017	-0.076098	8.1347 d
2.4056	43.25591	35.09017	0.00000	4.8874	-6.4989	-0.076065	8.1312 d
2.8868	42.86870	34.80461	0.00000	4.8853	-6.4962	-0.076033	8.1277 d
3.3679	42.48148	34.51904	0.00000	4.8832	-6.4934	-0.076000	8.1243 d
3.8490	42.09426	34.23348	0.00000	4.8811	-6.4906	-0.075967	8.1208 d
4.3302	41.70704	33.94791	0.00000	4.8790	-6.4878	-0.075935	8.1173 d
4.8113	41.31983	33.66235	0.00000	4.8769	-6.4850	-0.075902	8.1138 d
5.2924	40.93261	33.37678	0.00000	4.8748	-6.4822	-0.075870	8.1103 d
5.7735	40.54539	33.09122	0.00000	4.8727	-6.4795	-0.075837	8.1069 d
6.2547	40.15817	32.80565	0.00000	4.8706	-6.4767	-0.075805	8.1034 d
6.7358	39.77096	32.52009	0.00000	4.8685	-6.4739	-0.075772	8.0999 d
7.2169	39.38374	32.23452	0.00000	4.8664	-6.4711	-0.075740	8.0964 d
7.6981	38.99652	31.94896	0.00000	4.8644	-6.4684	-0.075707	8.0929 d
8.1792	38.60930	31.66339	0.00000	4.8623	-6.4656	-0.075675	8.0895 d
8.6603	38.22209	31.37783	0.00000	4.8602	-6.4628	-0.075642	8.0860 d
9.1414	37.83487	31.09226	0.00000	4.8581	-6.4600	-0.075610	8.0825 d
9.6226	37.44765	30.80670	0.00000	4.8560	-6.4572	-0.075577	8.0790 d
10.104	37.06043	30.52113	0.00000	4.8539	-6.4545	-0.075545	8.0756 d
10.585	36.67322	30.23557	0.00000	4.8518	-6.4517	-0.075512	8.0721 d
11.066	36.28600	29.95000	0.00000	4.8497	-6.4489	-0.075480	8.0686 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.55900	34.85000	0.00000	1.2712	-1.1690	-1.6942	-0.33477 d
0.48439	27.27278	35.24078	0.00000	1.1167	-1.0331	-1.4933	-0.29045 d
0.96877	26.98656	35.63156	0.00000	0.96197	-0.89125	-1.2874	-0.24943 d
1.4532	26.70033	36.02233	0.00000	0.84441	-0.79389	-1.1394	-0.21212 d
1.9375	26.41411	36.41311	0.00000	0.73187	-0.69876	-0.99618	-0.17754 d
2.4219	26.12789	36.80389	0.00000	0.61958	-0.59998	-0.85014	-0.14531 d
2.9063	25.84167	37.19467	0.00000	0.50751	-0.49792	-0.70158	-0.11521 d
3.3907	25.55544	37.58544	0.00000	0.39565	-0.39289	-0.55075	-0.087032 d
3.8751	25.26922	37.97622	0.00000	0.28397	-0.28517	-0.39786	-0.060589 d
4.3595	24.98300	38.36700	0.00000	0.17247	-0.17501	-0.24310	-0.035726 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular

						Line	to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	24.98300	38.36700	0.00000	0.17247	-0.17501	-0.035685	0.24310	d
0.49046	24.58738	38.07712	0.00000	0.14903	-0.14366	-0.035307	0.20396	d
0.98091	24.19175	37.78725	0.00000	0.12175	-0.11135	-0.032401	0.16178	d
1.4714	23.79613	37.49737	0.00000	0.090662	-0.078560	-0.026701	0.11695	d
1.9618	23.40050	37.20750	0.00000	0.055789	-0.045741	-0.017967	0.069870	d
2.4523	23.00488	36.91763	0.00000	0.017181	-0.013311	-0.0059922	0.020892	d
2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0	d
3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0	d
3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D3

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	d
0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0	d
0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0	d
1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0	d
1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0	d
2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0	d
2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0	d
3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D4

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	d
0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0	d
0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0	d
1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0	d
1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0	d
2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0	d
2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0	d
3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0	d
3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0	d
4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0	d
4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0	d
5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0	d
5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0	d
6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0	d
6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0	d
7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0	d
7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0	d
8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0	d
8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0	d
9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0	d
9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0	d
10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0	d
10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0	d
11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0	d
11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0	d
12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0	d
12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0	d
13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0	d
13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0	d
14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0	d
14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0	d
15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0	d
15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0	d
16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D5

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	d
0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0	d
0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0	d
1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0	d
1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0	d
2.2088	34.17057	46.39429	0.00000	0.023759	-0.031594	0.039529	311.92E-6	d
2.6505	34.43329	46.03914	0.00000	0.12332	-0.16399	0.20518	0.0016190	d
3.0923	34.69600	45.68400	0.00000	0.22288	-0.29638	0.37082	0.0029261	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D6

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	34.69600	45.68400	0.00000	0.22288	-0.29638	-0.0029723	0.37082	d
0.38681	34.38500	45.45400	0.00000	0.22219	-0.29545	-0.0029630	0.36966	d
0.77362	34.07400	45.22400	0.00000	0.22149	-0.29452	-0.0029537	0.36850	d
1.1604	33.76300	44.99400	0.00000	0.22079	-0.29359	-0.0029444	0.36733	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D7

Dist.	Coordinates					Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line	
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	
0.0	33.76300	44.99400	0.00000	0.22079	-0.29359	0.36733	0.0035984	d
0.45636	34.03370	44.62660	0.00000	0.32364	-0.43036	0.53845	0.0052747	d
0.91271	34.30440	44.25920	0.00000	0.42649	-0.56713	0.70956	0.0069510	d
1.3691	34.57510	43.89180	0.00000	0.52934	-0.70389	0.88068	0.0086273	d
1.8254	34.84580	43.52440	0.00000	0.63220	-0.84066	1.0518	0.010304	d
2.2818	35.11650	43.15700	0.00000	0.73505	-0.97743	1.2229	0.011980	d
2.7381	35.38720	42.78960	0.00000	0.83790	-1.1142	1.3940	0.013656	d
3.1945	35.65790	42.42220	0.00000	0.96031	-1.2770	1.5977	0.015651	d
3.6509	35.92860	42.05480	0.00000	1.1116	-1.4781	1.8493	0.018116	d
4.1072	36.19930	41.68740	0.00000	1.2631	-1.6796	2.1015	0.020586	d
4.5636	36.47000	41.32000	0.00000	1.4152	-1.8819	2.3545	0.023065	d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D8

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement	Horizontal displacement

						along the Line [mm]	perpendicular to Line [mm]	
[m]	[m]	[m]	[m]	[mm]	[mm]			
0.0	36.47000	41.32000	0.00000	1.4152	-1.8819	-0.039523	2.3543	d
0.47879	36.08257	41.03870	0.00000	1.4125	-1.8783	-0.039448	2.3498	d
0.95758	35.69513	40.75739	0.00000	1.4098	-1.8747	-0.039373	2.3454	d
1.4364	35.30770	40.47609	0.00000	1.4072	-1.8712	-0.039298	2.3409	d
1.9152	34.92026	40.19478	0.00000	1.4045	-1.8676	-0.039223	2.3364	d
2.3939	34.53283	39.91348	0.00000	1.4018	-1.8640	-0.039148	2.3320	d
2.8727	34.14539	39.63217	0.00000	1.3991	-1.8604	-0.039074	2.3275	d
3.3515	33.75796	39.35087	0.00000	1.3964	-1.8569	-0.038999	2.3230	d
3.8303	33.37052	39.06957	0.00000	1.3937	-1.8533	-0.038924	2.3186	d
4.3091	32.98309	38.78826	0.00000	1.3911	-1.8497	-0.038849	2.3141	d
4.7879	32.59565	38.50696	0.00000	1.3884	-1.8462	-0.038774	2.3096	d
5.2667	32.20822	38.22565	0.00000	1.3857	-1.8426	-0.038699	2.3052	d
5.7455	31.82078	37.94435	0.00000	1.3830	-1.8390	-0.038624	2.3007	d
6.2242	31.43335	37.66304	0.00000	1.3803	-1.8355	-0.038549	2.2963	d
6.7030	31.04591	37.38174	0.00000	1.3776	-1.8319	-0.038474	2.2918	d
7.1818	30.65848	37.10043	0.00000	1.3750	-1.8283	-0.038399	2.2873	d
7.6606	30.27104	36.81913	0.00000	1.3723	-1.8248	-0.038324	2.2829	d
8.1394	29.88361	36.53783	0.00000	1.3696	-1.8210	-0.038387	2.2783	d
8.6182	29.49617	36.25652	0.00000	1.3705	-1.7257	-0.095146	2.2017	d
9.0970	29.10874	35.97522	0.00000	1.3643	-1.6228	-0.15054	2.1148	d
9.5758	28.72130	35.69391	0.00000	1.3511	-1.5142	-0.20369	2.0191	d
10.055	28.33387	35.41261	0.00000	1.3310	-1.4013	-0.25378	1.9159	d
10.533	27.94643	35.13130	0.00000	1.3043	-1.2857	-0.30005	1.8067	d
11.012	27.55900	34.85000	0.00000	1.2712	-1.1690	-0.34181	1.6928	d

d - Displacements include imported displacements.

Specific Building Damage Results - Vertical Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	29.57700	22.24700	0.00000	1.8879	d
0.47829	29.95067	22.54556	0.00000	2.1440	d
0.95658	30.32433	22.84411	0.00000	2.4189	d
1.4349	30.69800	23.14267	0.00000	2.7111	d
1.9132	31.07167	23.44122	0.00000	3.0184	d
2.3915	31.44533	23.73978	0.00000	3.3386	d
2.8697	31.81900	24.03833	0.00000	3.6716	d
3.3480	32.19267	24.33689	0.00000	4.0339	d
3.8263	32.56633	24.63544	0.00000	4.4022	d
4.3046	32.94000	24.93400	0.00000	4.7864	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A2

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	32.94000	24.93400	0.00000	4.7864	d
0.41896	33.20150	24.60667	0.00000	4.8810	d
0.83792	33.46300	24.27933	0.00000	4.9730	d
1.2569	33.72450	23.95200	0.00000	5.0611	d
1.6758	33.98600	23.62467	0.00000	5.1444	d
2.0948	34.24750	23.29733	0.00000	5.2219	d
2.5138	34.50900	22.97000	0.00000	5.2926	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	34.50900	22.97000	0.00000	5.2926	d
0.47280	34.87837	23.26512	0.00000	5.7892	d
0.94559	35.24775	23.56025	0.00000	6.3392	d
1.4184	35.61713	23.85537	0.00000	6.9559	d
1.8912	35.98650	24.15050	0.00000	7.6565	d
2.3640	36.35587	24.44563	0.00000	8.4670	d
2.8368	36.72525	24.74075	0.00000	9.4321	d
3.3096	37.09463	25.03588	0.00000	10.639	d
3.7824	37.46400	25.33100	0.00000	12.282	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	37.46400	25.33100	0.00000	12.282	d
0.48725	37.75238	24.93825	0.00000	12.779	d
0.97450	38.04075	24.54550	0.00000	13.100	d
1.4618	38.32912	24.15275	0.00000	13.279	d
1.9490	38.61750	23.76000	0.00000	13.352	d
2.4363	38.90588	23.36725	0.00000	13.329	d
2.9235	39.19425	22.97450	0.00000	13.201	d
3.4108	39.48262	22.58175	0.00000	12.930	d
3.8980	39.77100	22.18900	0.00000	12.493	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	39.77100	22.18900	0.00000	12.493	d
0.49935	39.37894	21.87975	0.00000	10.767	d
0.99870	38.98687	21.57050	0.00000	9.4922	d
1.4980	38.59481	21.26125	0.00000	8.4706	d
1.9974	38.20275	20.95200	0.00000	7.6128	d
2.4967	37.81069	20.64275	0.00000	6.8735	d
2.9961	37.41862	20.33350	0.00000	6.2253	d
3.4954	37.02656	20.02425	0.00000	5.6496	d
3.9948	36.63450	19.71500	0.00000	5.1310	d
4.4941	36.24244	19.40575	0.00000	4.6555	d
4.9935	35.85038	19.09650	0.00000	4.2086	d
5.4928	35.45831	18.78725	0.00000	3.7889	d
5.9922	35.06625	18.47800	0.00000	3.4046	d
6.4915	34.67419	18.16875	0.00000	3.0409	d
6.9909	34.28213	17.85950	0.00000	2.6990	d
7.4902	33.89006	17.55025	0.00000	2.3801	d
7.9896	33.49800	17.24100	0.00000	2.0854	d

d - Displacements include imported displacements.

Structure: A | Sub-structure: A6

Dist.	Coordinates x	y	z	Displacements z

[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	33.49800	17.24100	0.00000	2.0854	d
0.48914	33.19638	17.62608	0.00000	2.0882	d
0.97828	32.89477	18.01115	0.00000	2.0878	d
1.4674	32.59315	18.39623	0.00000	2.0841	d
1.9566	32.29154	18.78131	0.00000	2.0772	d
2.4457	31.98992	19.16638	0.00000	2.0671	d
2.9348	31.68831	19.55146	0.00000	2.0539	d
3.4240	31.38669	19.93654	0.00000	2.0377	d
3.9131	31.08508	20.32162	0.00000	2.0186	d
4.4022	30.78346	20.70669	0.00000	1.9968	d
4.8914	30.48185	21.09177	0.00000	1.9726	d
5.3805	30.18023	21.47685	0.00000	1.9462	d
5.8697	29.87862	21.86192	0.00000	1.9179	d
6.3588	29.57700	22.24700	0.00000	1.8879	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B1

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	20.51600	5.45800	0.00000	0.027659	d
0.48720	20.90600	5.75000	0.00000	0.031377	d
0.97440	21.29600	6.04200	0.00000	0.035422	d
1.4616	21.68600	6.33400	0.00000	0.039820	d
1.9488	22.07600	6.62600	0.00000	0.044604	d
2.4360	22.46600	6.91800	0.00000	0.049808	d
2.9232	22.85600	7.21000	0.00000	0.055468	d
3.4104	23.24600	7.50200	0.00000	0.061625	d
3.8976	23.63600	7.79400	0.00000	0.068325	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B2

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	23.63600	7.79400	0.00000	0.068325	d
0.46125	23.35400	8.15900	0.00000	0.068904	d
0.92249	23.07200	8.52400	0.00000	0.069379	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B3

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	23.07200	8.52400	0.00000	0.069379	d
0.46917	23.44545	8.80800	0.00000	0.076508	d
0.93835	23.81891	9.09200	0.00000	0.084246	d
1.4075	24.19236	9.37600	0.00000	0.092648	d
1.8767	24.56582	9.66000	0.00000	0.10177	d
2.3459	24.93927	9.94400	0.00000	0.11169	d
2.8150	25.31273	10.22800	0.00000	0.12247	d
3.2842	25.68618	10.51200	0.00000	0.13418	d
3.7534	26.05964	10.79600	0.00000	0.14693	d
4.2226	26.43309	11.08000	0.00000	0.16080	d
4.6917	26.80655	11.36400	0.00000	0.17590	d
5.1609	27.18000	11.64800	0.00000	0.19235	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B4

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	27.18000	11.64800	0.00000	0.19235	d
0.36061	27.39833	11.36100	0.00000	0.19113	d
0.72122	27.61667	11.07400	0.00000	0.18970	d
1.0818	27.83500	10.78700	0.00000	0.18810	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B5

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	27.83500	10.78700	0.00000	0.18810	d
0.48959	28.22792	11.07908	0.00000	0.20631	d
0.97918	28.62085	11.37115	0.00000	0.22623	d
1.4688	29.01377	11.66323	0.00000	0.27566	d
1.9584	29.40669	11.95531	0.00000	0.32421	d
2.4479	29.79962	12.24738	0.00000	0.36961	d
2.9375	30.19254	12.53946	0.00000	0.41694	d
3.4271	30.58546	12.83154	0.00000	0.47071	d
3.9167	30.97838	13.12362	0.00000	0.53493	d
4.4063	31.37131	13.41569	0.00000	0.61304	d
4.8959	31.76423	13.70777	0.00000	0.70799	d
5.3855	32.15715	13.99985	0.00000	0.82219	d
5.8751	32.55008	14.29192	0.00000	0.95757	d
6.3647	32.94300	14.58400	0.00000	1.1155	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B6

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	32.94300	14.58400	0.00000	1.1155	d
0.35614	32.73033	14.86967	0.00000	1.1240	d
0.71227	32.51767	15.15533	0.00000	1.1316	d
1.0684	32.30500	15.44100	0.00000	1.1385	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B7

Dist.	Coordinates x	y	z	Displacements z	
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1					
0.0	32.30500	15.44100	0.00000	1.1385	d
0.36690	32.60133	15.65733	0.00000	1.2746	d
0.73379	32.89767	15.87367	0.00000	1.4244	d
1.1007	33.19400	16.09000	0.00000	1.5880	d

d - Displacements include imported displacements.

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]

Structure: B | Sub-structure: B8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	33.19400	16.09000	0.00000	1.5880 d
0.48246	32.90414	16.47568	0.00000	1.5977 d
0.96493	32.61427	16.86136	0.00000	1.6051 d
1.4474	32.32441	17.24705	0.00000	1.6103 d
1.9299	32.03455	17.63273	0.00000	1.6130 d
2.4123	31.74468	18.01841	0.00000	1.6134 d
2.8948	31.45482	18.40409	0.00000	1.6113 d
3.3772	31.16495	18.78977	0.00000	1.6067 d
3.8597	30.87509	19.17545	0.00000	1.5999 d
4.3422	30.58523	19.56114	0.00000	1.5907 d
4.8246	30.29536	19.94682	0.00000	1.5793 d
5.3071	30.00550	20.33250	0.00000	1.5659 d
5.7896	29.71564	20.71818	0.00000	1.5505 d
6.2720	29.42577	21.10386	0.00000	1.5334 d
6.7545	29.13591	21.48955	0.00000	1.5147 d
7.2370	28.84605	21.87523	0.00000	1.4946 d
7.7194	28.55618	22.26091	0.00000	1.4733 d
8.2019	28.26632	22.64659	0.00000	1.4865 d
8.6843	27.97645	23.03227	0.00000	1.4925 d
9.1668	27.68659	23.41795	0.00000	1.4897 d
9.6493	27.39673	23.80364	0.00000	1.4780 d
10.132	27.10686	24.18932	0.00000	1.4577 d
10.614	26.81700	24.57500	0.00000	1.4289 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.81700	24.57500	0.00000	1.4289 d
0.43274	26.47567	24.30900	0.00000	1.2583 d
0.86548	26.13433	24.04300	0.00000	1.1042 d
1.2982	25.79300	23.77700	0.00000	0.96674 d
1.7310	25.45167	23.51100	0.00000	0.84532 d
2.1637	25.11033	23.24500	0.00000	0.73924 d
2.5964	24.76900	22.97900	0.00000	0.64746 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.76900	22.97900	0.00000	0.64746 d
0.43530	25.02950	22.63025	0.00000	0.65614 d
0.87060	25.29000	22.28150	0.00000	0.66224 d
1.3059	25.55050	21.93275	0.00000	0.66566 d
1.7412	25.81100	21.58400	0.00000	0.66637 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B11

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	25.81100	21.58400	0.00000	0.66637 d
0.47915	25.43280	21.28980	0.00000	0.57680 d
0.95831	25.05460	20.99560	0.00000	0.50252 d
1.4375	24.67640	20.70140	0.00000	0.44085 d
1.9166	24.29820	20.40720	0.00000	0.38862 d
2.3958	23.92000	20.11300	0.00000	0.34215 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B12

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.92000	20.11300	0.00000	0.34215 d
0.47317	24.21050	19.73950	0.00000	0.34543 d
0.94635	24.50100	19.36600	0.00000	0.34755 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B13

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.50100	19.36600	0.00000	0.34755 d
0.45943	24.13650	19.08633	0.00000	0.30729 d
0.91886	23.77200	18.80667	0.00000	0.26473 d
1.3783	23.40750	18.52700	0.00000	0.21211 d
1.8377	23.04300	18.24733	0.00000	0.19486 d
2.2971	22.67850	17.96767	0.00000	0.17896 d
2.7566	22.31400	17.68800	0.00000	0.16429 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B14

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	22.31400	17.68800	0.00000	0.16429 d
0.44350	22.04420	18.04000	0.00000	0.16083 d
0.88701	21.77440	18.39200	0.00000	0.15720 d
1.3305	21.50460	18.74400	0.00000	0.15342 d
1.7740	21.23480	19.09600	0.00000	0.14952 d
2.2175	20.96500	19.44800	0.00000	0.14551 d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B15

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.96500	19.44800	0.00000	0.14551 d
0.49138	20.57211	19.15289	0.00000	0.13288 d
0.98276	20.17922	18.85778	0.00000	0.12126 d
1.4741	19.78633	18.56267	0.00000	0.11056 d

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
1.9655	19.39344	18.26756	0.00000	0.10070	d
2.4569	19.00056	17.97244	0.00000	0.091615	d
2.9483	18.60767	17.67733	0.00000	0.083242	d
3.4396	18.21478	17.38222	0.00000	0.075525	d
3.9310	17.82189	17.08711	0.00000	0.068412	d
4.4224	17.42900	16.79200	0.00000	0.061855	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B16

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	17.42900	16.79200	0.00000	0.061855	d
0.49346	17.71689	16.39122	0.00000	0.063454	d
0.98692	18.00478	15.99044	0.00000	0.064978	d
1.4804	18.29267	15.58967	0.00000	0.066418	d
1.9738	18.58056	15.18889	0.00000	0.067767	d
2.4673	18.86844	14.78811	0.00000	0.069018	d
2.9608	19.15633	14.38733	0.00000	0.070166	d
3.4542	19.44422	13.98656	0.00000	0.071204	d
3.9477	19.73211	13.58578	0.00000	0.072127	d
4.4411	20.02000	13.18500	0.00000	0.072931	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B17

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	20.02000	13.18500	0.00000	0.072931	d
0.48838	19.64200	12.87575	0.00000	0.065885	d
0.97677	19.26400	12.56650	0.00000	0.059408	d
1.4652	18.88600	12.25725	0.00000	0.053451	d
1.9535	18.50800	11.94800	0.00000	0.047973	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B18

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	18.50800	11.94800	0.00000	0.047973	d
0.43983	18.77567	11.59900	0.00000	0.048511	d
0.87965	19.04333	11.25000	0.00000	0.048987	d
1.3195	19.31100	10.90100	0.00000	0.049395	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B19

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	19.31100	10.90100	0.00000	0.049395	d
0.47300	18.93320	10.61640	0.00000	0.044353	d
0.94600	18.55540	10.33180	0.00000	0.039709	d
1.4190	18.17760	10.04720	0.00000	0.035429	d
1.8920	17.79980	9.76260	0.00000	0.031486	d
2.3650	17.42200	9.47800	0.00000	0.027853	d

d - Displacements include imported displacements.

Structure: B | Sub-structure: B20

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	17.42200	9.47800	0.00000	0.027853	d
0.46116	17.70327	9.11255	0.00000	0.028080	d
0.92233	17.98455	8.74709	0.00000	0.028258	d
1.3835	18.26582	8.38164	0.00000	0.028387	d
1.8447	18.54709	8.01618	0.00000	0.028467	d
2.3058	18.82836	7.65073	0.00000	0.028498	d
2.7670	19.10964	7.28527	0.00000	0.028479	d
3.2281	19.39091	6.91982	0.00000	0.028412	d
3.6893	19.67218	6.55436	0.00000	0.028295	d
4.1505	19.95345	6.18891	0.00000	0.028130	d
4.6116	20.23473	5.82345	0.00000	0.027917	d
5.0728	20.51600	5.45800	0.00000	0.027659	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	36.28600	29.95000	0.00000	10.348	d
0.45629	36.00578	30.31011	0.00000	9.7671	d
0.91259	35.72556	30.67022	0.00000	9.2544	d
1.3689	35.44533	31.03033	0.00000	8.7772	d
1.8252	35.16511	31.39044	0.00000	8.3187	d
2.2815	34.88489	31.75056	0.00000	7.8702	d
2.7378	34.60467	32.11067	0.00000	7.4276	d
3.1941	34.32444	32.47078	0.00000	6.9892	d
3.6504	34.04422	32.83089	0.00000	6.5552	d
4.1066	33.76400	33.19100	0.00000	6.1265	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	
Vertical Offset 1					
0.0	33.76400	33.19100	0.00000	6.1265	d
0.48792	33.36471	32.91057	0.00000	6.0406	d
0.97585	32.96543	32.63014	0.00000	5.9532	d
1.4638	32.56614	32.34971	0.00000	5.7712	d
1.9517	32.16686	32.06929	0.00000	5.5423	d
2.4396	31.76757	31.78886	0.00000	5.2958	d
2.9275	31.36829	31.50843	0.00000	5.0348	d
3.4155	30.96900	31.22800	0.00000	4.7645	d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]	

Vertical Offset 1

	0.0	30.96900	31.22800	0.00000	4.7645 d
0.48944	30.68767	31.62850	0.00000	4.4571 d	
0.97887	30.40633	32.02900	0.00000	4.1439 d	
1.4683	30.12500	32.42950	0.00000	3.8299 d	
1.9577	29.84367	32.83000	0.00000	3.5192 d	
2.4472	29.56233	33.23050	0.00000	3.2156 d	
2.9366	29.28100	33.63100	0.00000	2.9223 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C4

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	29.28100	33.63100	0.00000	2.9223 d
0.48464	29.66840	33.92220	0.00000	3.0617 d	
0.96928	30.05580	34.21340	0.00000	3.1905 d	
1.4539	30.44320	34.50460	0.00000	3.3070 d	
1.9386	30.83060	34.79580	0.00000	3.4096 d	
2.4232	31.21800	35.08700	0.00000	3.4770 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C5

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	31.21800	35.08700	0.00000	3.4770 d
0.42208	31.42400	35.45540	0.00000	3.3788 d	
0.84417	31.63000	35.82380	0.00000	3.2803 d	
1.2663	31.83600	36.19220	0.00000	3.1819 d	
1.6883	32.04200	36.56060	0.00000	3.0836 d	
2.1104	32.24800	36.92900	0.00000	2.9857 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C6

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	32.24800	36.92900	0.00000	2.9857 d
0.46414	32.62185	37.20408	0.00000	3.0094 d	
0.92829	32.99569	37.47915	0.00000	3.0318 d	
1.3924	33.36954	37.75423	0.00000	3.0526 d	
1.8566	33.74338	38.02931	0.00000	3.0719 d	
2.3207	34.11723	38.30438	0.00000	3.0894 d	
2.7849	34.49108	38.57946	0.00000	3.1051 d	
3.2490	34.86492	38.85454	0.00000	3.1189 d	
3.7131	35.23877	39.12962	0.00000	3.1308 d	
4.1773	35.61262	39.40469	0.00000	3.1407 d	
4.6414	35.98646	39.67977	0.00000	3.1485 d	
5.1056	36.36031	39.95485	0.00000	3.1542 d	
5.5697	36.73415	40.22992	0.00000	3.1579 d	
6.0339	37.10800	40.50500	0.00000	3.1594 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C7

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	37.10800	40.50500	0.00000	3.1594 d
0.44342	37.37100	40.14800	0.00000	3.4866 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C8

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	37.37100	40.14800	0.00000	3.4866 d
0.49716	37.77140	40.44270	0.00000	3.4855 d	
0.99432	38.17180	40.73740	0.00000	3.4818 d	
1.4915	38.57220	41.03210	0.00000	3.4755 d	
1.9886	38.97260	41.32680	0.00000	3.4667 d	
2.4858	39.37300	41.62150	0.00000	3.4553 d	
2.9830	39.77340	41.91620	0.00000	3.4415 d	
3.4801	40.17380	42.21090	0.00000	3.4254 d	
3.9773	40.57420	42.50560	0.00000	3.4071 d	
4.4744	40.97460	42.80030	0.00000	3.3868 d	
4.9716	41.37500	43.09500	0.00000	3.3646 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C9

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	41.37500	43.09500	0.00000	3.3646 d
0.43642	41.63367	42.74350	0.00000	3.6908 d	
0.87284	41.89233	42.39200	0.00000	4.0342 d	
1.3093	42.15100	42.04050	0.00000	4.3936 d	
1.7457	42.40967	41.68900	0.00000	4.7680 d	
2.1821	42.66833	41.33750	0.00000	5.1560 d	
2.6185	42.92700	40.98600	0.00000	5.5561 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C10

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	42.92700	40.98600	0.00000	5.5561 d
0.41162	42.59550	40.74200	0.00000	5.5948 d	
0.82323	42.26400	40.49800	0.00000	5.6309 d	

d - Displacements include imported displacements.

Structure: C | Sub-structure: C11

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]

Vertical Offset 1

	0.0	42.26400	40.49800	0.00000	5.6309 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
0.49410	42.55680	40.10000	0.00000	6.1086 d
0.98820	42.84960	39.70200	0.00000	6.6000 d
1.4823	43.14240	39.30400	0.00000	7.1041 d
1.9764	43.43520	38.90600	0.00000	7.6206 d
2.4705	43.72800	38.50800	0.00000	8.1509 d
2.9646	44.02080	38.11000	0.00000	8.6985 d
3.4587	44.31360	37.71200	0.00000	9.2712 d
3.9528	44.60640	37.31400	0.00000	9.8835 d
4.4469	44.89920	36.91600	0.00000	10.562 d
4.9410	45.19200	36.51800	0.00000	11.355 d

d - Displacements include imported displacements.

Structure: C | Sub-structure: C12

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	45.19200	36.51800	0.00000	11.355 d
0.48113	44.80478	36.23243	0.00000	11.523 d
0.96226	44.41757	35.94687	0.00000	11.665 d
1.4434	44.03035	35.66130	0.00000	11.784 d
1.9245	43.64313	35.37574	0.00000	11.882 d
2.4056	43.25591	35.09017	0.00000	11.960 d
2.8868	42.86870	34.80461	0.00000	12.021 d
3.3679	42.48148	34.51904	0.00000	12.064 d
3.8490	42.09426	34.23348	0.00000	12.091 d
4.3302	41.70704	33.94791	0.00000	12.103 d
4.8113	41.31983	33.66235	0.00000	12.100 d
5.2924	40.93261	33.37678	0.00000	12.081 d
5.7735	40.54539	33.09122	0.00000	12.047 d
6.2547	40.15817	32.80565	0.00000	11.998 d
6.7358	39.77096	32.52009	0.00000	11.932 d
7.2169	39.38374	32.23452	0.00000	11.848 d
7.6981	38.99652	31.94896	0.00000	11.747 d
8.1792	38.60930	31.66339	0.00000	11.625 d
8.6603	38.22209	31.37783	0.00000	11.482 d
9.1414	37.83487	31.09226	0.00000	11.314 d
9.6226	37.44765	30.80670	0.00000	11.120 d
10.104	37.06043	30.52113	0.00000	10.895 d
10.585	36.67322	30.23557	0.00000	10.638 d
11.066	36.28600	29.95000	0.00000	10.348 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.55900	34.85000	0.00000	1.7363 d
0.48439	27.27278	35.24078	0.00000	1.5403 d
0.96877	26.98656	35.63156	0.00000	1.3601 d
1.4532	26.70033	36.02233	0.00000	1.1950 d
1.9375	26.41411	36.41311	0.00000	1.0436 d
2.4219	26.12789	36.80389	0.00000	0.90393 d
2.9063	25.84167	37.19467	0.00000	0.77370 d
3.3907	25.55544	37.58544	0.00000	0.64992 d
3.8751	25.26922	37.97622	0.00000	0.52910 d
4.3595	24.98300	38.36700	0.00000	0.40722 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.98300	38.36700	0.00000	0.40722 d
0.49046	24.58738	38.07712	0.00000	0.37253 d
0.98091	24.19175	37.78725	0.00000	0.33506 d
1.4714	23.79613	37.49737	0.00000	0.29484 d
1.9618	23.40050	37.20750	0.00000	0.25176 d
2.4523	23.00488	36.91763	0.00000	0.20563 d
2.9427	22.60925	36.62775	0.00000	0.17700 d
3.4332	22.21363	36.33788	0.00000	0.16857 d
3.9236	21.81800	36.04800	0.00000	0.16030 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	21.81800	36.04800	0.00000	0.16030 d
0.47627	21.54300	36.43686	0.00000	0.14855 d
0.95254	21.26800	36.82571	0.00000	0.13755 d
1.4288	20.99300	37.21457	0.00000	0.12724 d
1.9051	20.71800	37.60343	0.00000	0.11760 d
2.3814	20.44300	37.99229	0.00000	0.10857 d
2.8576	20.16800	38.38114	0.00000	0.10013 d
3.3339	19.89300	38.77000	0.00000	0.092232 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.89300	38.77000	0.00000	0.092232 d
0.48525	20.28585	39.05485	0.00000	0.096710 d
0.97050	20.67870	39.33970	0.00000	0.10124 d
1.4558	21.07155	39.62455	0.00000	0.10582 d
1.9410	21.46439	39.90939	0.00000	0.11043 d
2.4263	21.85724	40.19424	0.00000	0.11507 d
2.9115	22.25009	40.47909	0.00000	0.11971 d
3.3968	22.64294	40.76394	0.00000	0.12435 d
3.8820	23.03579	41.04879	0.00000	0.12897 d
4.3673	23.42864	41.33364	0.00000	0.13356 d
4.8525	23.82148	41.61848	0.00000	0.13809 d
5.3378	24.21433	41.90333	0.00000	0.14255 d
5.8230	24.60718	42.18818	0.00000	0.14692 d
6.3083	25.00003	42.47303	0.00000	0.15120 d
6.7935	25.39288	42.75788	0.00000	0.15534 d
7.2788	25.78573	43.04273	0.00000	0.15935 d
7.7640	26.17858	43.32758	0.00000	0.16320 d
8.2493	26.57142	43.61242	0.00000	0.16688 d
8.7345	26.96427	43.89727	0.00000	0.17037 d
9.2198	27.35712	44.18212	0.00000	0.17364 d
9.7050	27.74997	44.46697	0.00000	0.17670 d
10.190	28.14282	44.75182	0.00000	0.17951 d
10.676	28.53567	45.03667	0.00000	0.18207 d
11.161	28.92852	45.32152	0.00000	0.18437 d
11.646	29.32136	45.60636	0.00000	0.18639 d
12.131	29.71421	45.89121	0.00000	0.18812 d
12.617	30.10706	46.17606	0.00000	0.18956 d
13.102	30.49991	46.46091	0.00000	0.19069 d
13.587	30.89276	46.74576	0.00000	0.19152 d

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
14.072	31.28561	47.03061	0.00000	0.19202 d
14.558	31.67845	47.31545	0.00000	0.19222 d
15.043	32.07130	47.60030	0.00000	0.19209 d
15.528	32.46415	47.88515	0.00000	0.19165 d
16.013	32.85700	48.17000	0.00000	0.19089 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	32.85700	48.17000	0.00000	0.19089 d
0.44175	33.11971	47.81486	0.00000	0.20734 d
0.88350	33.38243	47.45971	0.00000	0.22516 d
1.3253	33.64514	47.10457	0.00000	0.24445 d
1.7670	33.90786	46.74943	0.00000	0.26537 d
2.2088	34.17057	46.39429	0.00000	0.32050 d
2.6505	34.43329	46.03914	0.00000	0.46046 d
3.0923	34.69600	45.68400	0.00000	0.59552 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	34.69600	45.68400	0.00000	0.59552 d
0.38681	34.38500	45.45400	0.00000	0.59626 d
0.77362	34.07400	45.22400	0.00000	0.59661 d
1.1604	33.76300	44.99400	0.00000	0.59657 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	33.76300	44.99400	0.00000	0.59657 d
0.45636	34.03370	44.62660	0.00000	0.73557 d
0.91271	34.30440	44.25920	0.00000	0.87762 d
1.3691	34.57510	43.89180	0.00000	1.0263 d
1.8254	34.84580	43.52440	0.00000	1.1850 d
2.2818	35.11650	43.15700	0.00000	1.3564 d
2.7381	35.38720	42.78960	0.00000	1.5430 d
3.1945	35.65790	42.42220	0.00000	1.7469 d
3.6509	35.92860	42.05480	0.00000	1.9699 d
4.1072	36.19930	41.68740	0.00000	2.2131 d
4.5636	36.47000	41.32000	0.00000	2.4777 d

d - Displacements include imported displacements.

Structure: D | Sub-structure: D8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]	
Vertical Offset 1				
0.0	36.47000	41.32000	0.00000	2.4777 d
0.47879	36.08257	41.03870	0.00000	2.4743 d
0.95758	35.69513	40.75739	0.00000	2.4691 d
1.4364	35.30770	40.47609	0.00000	2.4623 d
1.9152	34.92026	40.19478	0.00000	2.4537 d
2.3939	34.53283	39.91348	0.00000	2.4435 d
2.8727	34.14539	39.63217	0.00000	2.4316 d
3.3515	33.75796	39.35087	0.00000	2.4181 d
3.8303	33.37052	39.06957	0.00000	2.4032 d
4.3091	32.98309	38.78826	0.00000	2.3867 d
4.7879	32.59565	38.50696	0.00000	2.3690 d
5.2667	32.20822	38.22565	0.00000	2.3499 d
5.7455	31.82078	37.94435	0.00000	2.3297 d
6.2242	31.43335	37.66304	0.00000	2.3084 d
6.7030	31.04591	37.38174	0.00000	2.2862 d
7.1818	30.65848	37.10043	0.00000	2.2631 d
7.6606	30.27104	36.81913	0.00000	2.2393 d
8.1394	29.88361	36.53783	0.00000	2.2149 d
8.6182	29.49617	36.25652	0.00000	2.1543 d
9.0970	29.10874	35.97522	0.00000	2.0848 d
9.5758	28.72130	35.69391	0.00000	2.0072 d
10.055	28.33387	35.41261	0.00000	1.9225 d
10.533	27.94643	35.13130	0.00000	1.8318 d
11.012	27.55900	34.85000	0.00000	1.7363 d

d - Displacements include imported displacements.

Specific Building Damage Results - All Segments

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.3040	Hogging	0.0037013	0.048822	0.050799	-707.22E-6	-802.78E-6	11859.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5130	Sagging	859.05E-6	60.661E-6	847.11E-6	0.0	-225.78E-6	24876.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.7820	Hogging	0.031505	0.070772	0.085669	-707.22E-6	-0.0034711	462.87	2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	3.8980	Sagging		0.024695	9.2819E-6	0.022287	0.0	-0.0010218	1274.5 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	7.9890	Hogging		0.029609	0.059492	0.086723	-707.46E-6	0.0034555	497.23 2 (Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	6.3580	Sagging		937.34E-6	14.493E-6	0.0012010	0.0	61.238E-6	73885. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	1.8767	3.2833	Hogging		200.78E-6	0.0	197.02E-6	0.0	-35.065E-6	159460. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	1.0810	Sagging		17.835E-6	0.0	17.703E-6	0.0	4.4629E-6	653300. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	0.18438	Sagging		0.0	0.0	0.0	0.0	-37.197E-6	45839. 0 (Negligible)
	2	0.18438	1.6879	Hogging		0.0015022	0.016812	0.017135	-374.85E-6	-100.93E-6	16163. 0 (Negligible)
	3	1.8723	0.29326	Sagging		132.80E-6	0.037499	0.037509	-374.85E-6	-99.123E-6	183230. 0 (Negligible)
	4	2.1656	4.1984	Hogging		0.0033877	0.037499	0.039267	-374.85E-6	-322.53E-6	10445. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	1.0680	Sagging		74.856E-6	0.0	74.637E-6	0.0	-23.668E-6	149490. 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]		[m]	
0.0	1	0.0	1.1000	Hogging		0.0012490	0.037492	0.037668	-374.78E-6	-445.74E-6	9715.6 0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain Ratio	Max Tensile Strain	Max Gradient of Horizontal	Max Gradient of Vertical Displacement	Min Radius of Curvature	Damage Category

										Displacement Curve			
	[m]		[m]	[m]		[%]	[%]	[%]				[m]	
0.0		1	0.0	6.8288	Sagging	827.17E-6	0.0	0.0010872		0.0	41.643E-6	96000.	0 (Negligible)
		2	6.8288	1.4951	Hogging	0.0016191	-0.0072159	0.0017337		181.60E-6	44.133E-6	15374.	0 (Negligible)
		3	8.3239	2.2901	Sagging	0.0010570	-0.016041	0.0032621		181.60E-6	59.530E-6	26353.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5960	Hogging	0.0027428	0.027267	0.028169	-291.14E-6	394.34E-6	11212.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7410	Sagging	304.40E-6	-0.0062433	0.0012605	68.805E-6	-19.946E-6	69954.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.3950	Hogging	0.0014227	0.034948	0.035381	-353.31E-6	186.86E-6	14400.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.94600	Sagging	60.539E-6	-0.0020744	416.31E-6	21.452E-6	-6.9308E-6	193420.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]			[%]	[%]	[%]			[m]	
0.0	1	0.0	0.72003	Sagging		115.24E-6	0.037305	0.037327	-373.08E-6	92.599E-6	49916.	0 (Negligible)
	2	0.72003	2.0360	Hogging		0.0016008	0.012028	0.012443	-373.08E-6	114.51E-6	13625.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.2170	Sagging	18.895E-6	0.0	18.275E-6	0.0	9.0510E-6	1.1494E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.9655	Hogging	93.307E-6	0.0	92.661E-6	0.0	25.701E-6	232850.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length		Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.									

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 4.1060	Hogging	0.0039735	0.069600	0.071631	-760.70E-6	0.0012711	2752.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 0.22832	None	0.0	66.820E-6	66.841E-6	0.0	176.05E-6	10918.	0 (Negligible)
	2	0.22832 3.1867	Sagging	0.0061770	-0.026982	0.0063906	412.99E-6	554.16E-6	4031.2	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 1.0958	Sagging	297.76E-6	0.026478	0.026561	-313.92E-6	641.48E-6	34312.	0 (Negligible)
	2	1.0958 1.8402	Hogging	694.10E-6	0.035262	0.035425	-382.02E-6	641.48E-6	21739.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 2.4230	Sagging	0.0021378	-0.017636	0.0037244	201.45E-6	-287.73E-6	5806.3	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 0.85466	Sagging	9.9680E-6	0.0093349	0.0093371	-93.523E-6	233.21E-6	850580.	0 (Negligible)
	2	0.85466 1.2553	Hogging	21.434E-6	0.0092533	0.0092567	-92.836E-6	233.21E-6	482760.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 6.0330	Sagging	657.92E-6	6.1482E-6	814.35E-6	0.0	-51.126E-6	101990.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 0.44300	None	0.0	0.056654	0.056654	-566.22E-6	-737.46E-6	-	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m] [m]		[%]	[%]	[%]			[m]	
0.0	1	0.0 4.9710	Sagging	596.74E-6	6.0466E-6	652.85E-6	0.0	44.622E-6	95103.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.6180	Hogging	0.0025383	0.059017	0.059859	-610.04E-6	-916.16E-6	10919.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.82300	Sagging	154.93E-6	6.5044E-6	156.82E-6	0.0	-94.098E-6	65751.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.9410	Hogging	0.0074214	0.068699	0.073205	-764.30E-6	-0.0016050	1914.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	11.065	Sagging	0.010999	6.7646E-6	0.016677	0.0	604.62E-6	6710.6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	3.8660	Hogging	0.0022970	0.033457	0.034566	-424.81E-6	404.52E-6	14618.	0 (Negligible)
	2	3.8660	0.49297	Sagging	3.9337E-6	0.031942	0.031943	-319.39E-6	251.54E-6	113740.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7530	Sagging	259.83E-6	798.55E-6	912.85E-6	-17.806E-6	87.825E-6	83585.	0 (Negligible)
	2	1.7530	1.9332	Hogging	0.0014449	0.0011218	0.0020341	-24.416E-6	94.056E-6	16605.	0 (Negligible)
	3	3.6862	0.23683	Sagging	0.0	0.0	0.0	0.0	16.865E-6	49716.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8576	Hogging	103.61E-6	0.0	102.10E-6	0.0	24.657E-6	303240.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.97050	1.7592	Hogging	2.2423E-6	0.0	2.2531E-6	0.0	-9.5733E-6	5.1476E+6	0 (Negligible)
	2	2.7297	13.283	Sagging	154.87E-6	0.0	233.71E-6	0.0	-9.5733E-6	741470.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.8230	Hogging	0.0045064	0.0095587	0.011167	-374.84E-6	-316.71E-6	3951.5	0 (Negligible)
	2	2.8230	0.26904	None	0.0	0.037498	0.037498	-374.84E-6	-305.61E-6	7145.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1600	Sagging	33.557E-6	2.4091E-6	34.225E-6	0.0	-1.9012E-6	376930.	0

Vertical Offset from Line for Vertical Movement	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
										(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]	[%]	[%]	[%]			[m]	
0.0	1	0.0	4.5630 Hogging	0.0039883	0.043543	0.045793	-554.16E-6	-579.47E-6	9658.1	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]	[%]	[%]	[%]			[m]	
0.0	1	0.0	11.012 Sagging	0.0025864	-0.0027450	0.0011735	118.56E-6	199.44E-6	11459.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0037013	0.048822	-802.78E-6	4.7859	0.050799	-707.22E-6	-802.78E-6	11859.		- 1 (Very Slight)

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	859.05E-6	60.661E-6	-225.78E-6	5.2924	847.11E-6	0.0	-225.78E-6	-	24876.	0 (Negligible)

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.031505	0.070772	-0.0034711	12.280	0.085669	-707.22E-6	-0.0034711	462.87		- 2 (Slight)

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.024695	9.2819E-6	-0.0010218	13.351	0.022287	0.0	-0.0010218	-	1274.5	0 (Negligible)

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.029609	0.059492	0.0034555	12.493	0.086723	-707.46E-6	0.0034555	497.23		- 2 (Slight)

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	937.34E-6	14.493E-6	61.238E-6	2.0882	0.0012010	0.0	61.238E-6	-	73885.	0 (Negligible)

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	200.78E-6	0.0	-35.065E-6	0.19232	197.02E-6	0.0	-35.065E-6	159460.		- 0 (Negligible)

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	17.835E-6	0.0	4.4629E-6	0.19235	17.703E-6	0.0	4.4629E-6	-	653300.	0 (Negligible)

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0033877	0.037499	-322.53E-6	1.1153	0.039267	-374.85E-6	-322.53E-6	10445.	45839.	0 (Negligible)

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	74.856E-6	0.0	-23.668E-6	1.1385	74.637E-6	0.0	-23.668E-6	-	149490.	0 (Negligible)

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0012490	0.037492	-445.74E-6	1.5877	0.037668	-374.78E-6	-445.74E-6	9715.6		- 0 (Negligible)

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0016191	-0.016041	59.530E-6	1.6134	0.0032621	181.60E-6	59.530E-6	15374.	26353.	0 (Negligible)

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0027428	0.027267	394.34E-6	1.4289	0.028169	-291.14E-6	394.34E-6	11212.		- 0 (Negligible)

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	304.40E-6	-0.0062433	-19.946E-6	0.66637	0.0012605	68.805E-6	-19.946E-6	-	69954.	0 (Negligible)

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0014227	0.034948	186.86E-6	0.66637	0.035381	-353.31E-6	186.86E-6	14400.		- 0 (Negligible)

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	60.539E-6	-0.0020744	-6.9308E-6	0.34755	416.31E-6	21.452E-6	-6.9308E-6	-	193420.	0 (Negligible)

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0016008	0.037305	114.51E-6	0.34755	0.037327	-373.08E-6	114.51E-6	13625.	49916.	0 (Negligible)

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	18.895E-6	0.0	9.0510E-6	0.16429	18.275E-6	0.0	9.0510E-6	-	1.1494E+6	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	93.307E-6		0.0	25.701E-6	0.14551	92.661E-6	0.0	25.701E-6	232850.	- 0 (Negligible)

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	93.307E-6		0.0	25.701E-6	0.14551	92.661E-6	0.0	25.701E-6	232850.	- 0 (Negligible)

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Horizontal Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Horizontal Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Horizontal Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Horizontal Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Horizontal Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0039735	0.069600	0.0012711	10.348	0.071631	-760.70E-6	0.0012711	2752.1		- 1 (Very Slight)

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0061770	-0.026982	554.16E-6	6.1265	0.0063906	412.99E-6	554.16E-6	-	4031.2	0 (Negligible)

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	694.10E-6	0.035262	641.48E-6	4.7645	0.035425	-382.02E-6	641.48E-6	21739.	34312.	0 (Negligible)

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0021378	-0.017636	-287.73E-6	3.4770	0.0037244	201.45E-6	-287.73E-6	-	5806.3	0 (Negligible)

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	21.434E-6	0.0093349	233.21E-6	3.4770	0.0093371	-93.523E-6	233.21E-6	482760.	850580.	0 (Negligible)

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category

[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	657.92E-6	6.1482E-6	-51.126E-6	3.1594	814.35E-6	0.0	-51.126E-6	-	101990.	0 (Negligible)

Structure: C | Sub-structure: C7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.056654	-737.46E-6	3.4863	0.056654	-566.22E-6	-737.46E-6	-	-	1 (Very Slight)

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	596.74E-6	6.0466E-6	44.622E-6	3.4866	652.85E-6	0.0	44.622E-6	-	95103.	0 (Negligible)

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0025383	0.059017	-916.16E-6	5.5556	0.059859	-610.04E-6	-916.16E-6	10919.	-	1 (Very Slight)

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	154.93E-6	6.5044E-6	-94.098E-6	5.6309	156.82E-6	0.0	-94.098E-6	-	65751.	0 (Negligible)

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0074214	0.068699	-0.0016050	11.355	0.073205	-764.30E-6	-0.0016050	1914.1	-	1 (Very Slight)

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.010999	6.7646E-6	604.62E-6	12.103	0.016677	0.0	604.62E-6	-	6710.6	0 (Negligible)

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0022970	0.033457	404.52E-6	1.7363	0.034566	-424.81E-6	404.52E-6	14618.	113740.	0 (Negligible)

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0014449	0.0011218	94.056E-6	0.40722	0.0020341	-24.416E-6	94.056E-6	16605.	49716.	0 (Negligible)

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	103.61E-6	0.0	24.657E-6	0.16030	102.10E-6	0.0	24.657E-6	303240.	-	0 (Negligible)

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	154.87E-6	0.0	-9.5733E-6	0.19221	233.71E-6	0.0	-9.5733E-6	5.1476E+6	741470.	0 (Negligible)

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0045064	0.037498	-316.71E-6	0.59544	0.037498	-374.84E-6	-316.71E-6	3951.5	-	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D6										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	33.557E-6	2.4091E-6	-1.9012E-6	0.59661	34.225E-6	0.0	-1.9012E-6	-	376930.	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D7										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0039883	0.043543	-579.47E-6	2.4774	0.045793	-554.16E-6	-579.47E-6	9658.1	-	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D8										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0025864	-0.0027450	199.44E-6	2.4777	0.0011735	118.56E-6	199.44E-6	-	11459.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start [m]	End [m]	Curvature	Max Slope	Max Settlement [mm]	Max Tensile Strain [%]	Min Radius of Curvature (Hogging) [m]	Min Radius of Curvature (Sagging) [m]	Damage Category
A	Max Slope	A3	1	0.0	3.7820	Hogging	**0.0034711**	12.280	0.085669	462.87	-	2 (Slight)
	Max Settlement	A4	1	0.0	3.8980	Sagging	0.0010218	**13.351**	0.022287	-	1274.5	0 (Negligible)
	Max Tensile Strain	A5	1	0.0	7.9890	Hogging	0.0034555	12.493	**0.086723**	497.23	-	2 (Slight)
	Min Radius of Curvature (Hogging)	A3	1	0.0	3.7820	Hogging	0.0034711	12.280	0.085669	**462.87**	-	2 (Slight)
	Min Radius of Curvature (Sagging)	A4	1	0.0	3.8980	Sagging	0.0010218	13.351	0.022287	-	**1274.5**	0 (Negligible)
B	Max Slope	B7	1	0.0	1.1000	Hogging	**445.74E-6**	1.5877	0.037668	9715.6	-	0 (Negligible)
	Max Settlement	B8	1	0.0	6.8288	Sagging	41.643E-6	**1.6134**	0.0010872	-	96000.	0 (Negligible)
	Max Tensile Strain	B5	4	2.1656	6.3640	Hogging	322.53E-6	1.1153	**0.039267**	10445.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	B7	1	0.0	1.1000	Hogging	445.74E-6	1.5877	0.037668	**9715.6**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	B8	3	8.3239	10.614	Sagging	59.530E-6	1.4925	0.0032621	-	**26353.**	0 (Negligible)
C	Max Slope	C11	1	0.0	4.9410	Hogging	**0.0016050**	11.355	0.073205	1914.1	-	1 (Very Slight)
	Max Settlement	C12	1	0.0	11.065	Sagging	604.62E-6	**12.103**	0.016677	-	6710.6	0 (Negligible)
	Max Tensile Strain	C11	1	0.0	4.9410	Hogging	0.0016050	11.355	**0.073205**	1914.1	-	1 (Very Slight)
	Min Radius of Curvature (Hogging)	C11	1	0.0	4.9410	Hogging	0.0016050	11.355	0.073205	**1914.1**	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)	C2	2	0.22832	3.4150	Sagging	554.16E-6	6.0863	0.0063906	-	**4031.2**	0 (Negligible)
D	Max Slope	D7	1	0.0	4.5630	Hogging	**579.47E-6**	2.4774	0.045793	9658.1	-	0 (Negligible)
	Max Settlement	D8	1	0.0	11.012	Sagging	199.44E-6	**2.4777**	0.0011735	-	11459.	0 (Negligible)
	Max Tensile Strain	D7	1	0.0	4.5630	Hogging	579.47E-6	2.4774	**0.045793**	9658.1	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	D5	1	0.0	2.8230	Hogging	316.71E-6	0.51319	0.011167	**3951.5**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	D8	1	0.0	11.012	Sagging	199.44E-6	2.4777	0.0011735	-	**11459.**	0 (Negligible)

Xdisp Input and Output

Model: Long-term scheme - scaled

Problem Type

Problem Type : Tunnelling and Embedded Wall Excavations

Displacement Data

Type	Name	Direction of extrusion	Point/Line/Line for extrusion						No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate	Surface type for tunnels
			First point			Second point							
			X [m]	Y [m]	Z(level) [m]	X [m]	Y [m]	Z(level) [m]		[m]			
Line	A1	-	29.57700	22.24700	0.00000	32.94000	24.93400	0.00000	9	-	-	Yes	Surface
Line	A2	-	32.94000	24.93400	0.00000	34.50900	22.97000	0.00000	6	-	-	Yes	Surface
Line	A3	-	34.50900	22.97000	0.00000	37.46400	25.33100	0.00000	8	-	-	Yes	Surface
Line	A4	-	37.46400	25.33100	0.00000	39.77100	22.18900	0.00000	8	-	-	Yes	Surface
Line	A5	-	39.77100	22.18900	0.00000	33.49800	17.24100	0.00000	16	-	-	Yes	Surface
Line	A6	-	33.49800	17.24100	0.00000	29.57700	22.24700	0.00000	13	-	-	Yes	Surface
Line	B1	-	20.51600	5.45800	0.00000	23.63600	7.79400	0.00000	8	-	-	Yes	Surface
Line	B2	-	23.63600	7.79400	0.00000	23.07200	8.52400	0.00000	2	-	-	Yes	Surface
Line	B3	-	23.07200	8.52400	0.00000	27.18000	11.64800	0.00000	11	-	-	Yes	Surface
Line	B4	-	27.18000	11.64800	0.00000	27.83500	10.78700	0.00000	3	-	-	Yes	Surface
Line	B5	-	27.83500	10.78700	0.00000	32.94300	14.58400	0.00000	13	-	-	Yes	Surface
Line	B6	-	32.94300	14.58400	0.00000	32.30500	15.44100	0.00000	3	-	-	Yes	Surface
Line	B7	-	32.30500	15.44100	0.00000	33.19400	16.09000	0.00000	3	-	-	Yes	Surface
Line	B8	-	33.19400	16.09000	0.00000	26.81700	24.57500	0.00000	22	-	-	Yes	Surface
Line	B9	-	26.81700	24.57500	0.00000	24.76900	22.97900	0.00000	6	-	-	Yes	Surface
Line	B10	-	24.76900	22.97900	0.00000	25.81100	21.58400	0.00000	4	-	-	Yes	Surface
Line	B11	-	25.81100	21.58400	0.00000	23.92000	20.11300	0.00000	5	-	-	Yes	Surface
Line	B12	-	23.92000	20.11300	0.00000	24.50100	19.36600	0.00000	2	-	-	Yes	Surface
Line	B13	-	24.50100	19.36600	0.00000	22.31400	17.68800	0.00000	6	-	-	Yes	Surface
Line	B14	-	22.31400	17.68800	0.00000	20.96500	19.44800	0.00000	5	-	-	Yes	Surface
Line	B15	-	20.96500	19.44800	0.00000	17.42900	16.79200	0.00000	9	-	-	Yes	Surface
Line	B16	-	17.42900	16.79200	0.00000	20.02000	13.18500	0.00000	9	-	-	Yes	Surface
Line	B17	-	20.02000	13.18500	0.00000	18.50800	11.94800	0.00000	4	-	-	Yes	Surface
Line	B18	-	18.50800	11.94800	0.00000	19.31100	10.90100	0.00000	3	-	-	Yes	Surface
Line	B19	-	19.31100	10.90100	0.00000	17.42200	9.47800	0.00000	5	-	-	Yes	Surface
Line	B20	-	17.42200	9.47800	0.00000	20.51600	5.45800	0.00000	11	-	-	Yes	Surface
Line	C1	-	36.28600	29.95000	0.00000	33.76400	33.19100	0.00000	9	-	-	Yes	Surface
Line	C2	-	33.76400	33.19100	0.00000	30.96900	31.22800	0.00000	7	-	-	Yes	Surface
Line	C3	-	30.96900	31.22800	0.00000	29.28100	33.63100	0.00000	6	-	-	Yes	Surface
Line	C4	-	29.28100	33.63100	0.00000	31.21800	35.08700	0.00000	5	-	-	Yes	Surface
Line	C5	-	31.21800	35.08700	0.00000	32.24800	36.92900	0.00000	5	-	-	Yes	Surface
Line	C6	-	32.24800	36.92900	0.00000	37.10800	40.50500	0.00000	13	-	-	Yes	Surface
Line	C7	-	37.10800	40.50500	0.00000	37.37100	40.14800	0.00000	1	-	-	Yes	Surface
Line	C8	-	37.37100	40.14800	0.00000	41.37500	43.09500	0.00000	10	-	-	Yes	Surface
Line	C9	-	41.37500	43.09500	0.00000	42.92700	40.98600	0.00000	6	-	-	Yes	Surface
Line	C10	-	42.92700	40.98600	0.00000	42.26400	40.49800	0.00000	2	-	-	Yes	Surface
Line	C11	-	42.26400	40.49800	0.00000	45.19200	36.51800	0.00000	10	-	-	Yes	Surface
Line	C12	-	45.19200	36.51800	0.00000	36.28600	29.95000	0.00000	23	-	-	Yes	Surface
Line	D1	-	27.55900	34.85000	0.00000	24.98300	38.36700	0.00000	9	-	-	Yes	Surface
Line	D2	-	24.98300	38.36700	0.00000	21.81800	36.04800	0.00000	8	-	-	Yes	Surface
Line	D3	-	21.81800	36.04800	0.00000	19.89300	38.77000	0.00000	7	-	-	Yes	Surface
Line	D4	-	19.89300	38.77000	0.00000	32.85700	48.17000	0.00000	33	-	-	Yes	Surface
Line	D5	-	32.85700	48.17000	0.00000	34.69600	45.68400	0.00000	7	-	-	Yes	Surface
Line	D6	-	34.69600	45.68400	0.00000	33.76300	44.99400	0.00000	3	-	-	Yes	Surface
Line	D7	-	33.76300	44.99400	0.00000	36.47000	41.32000	0.00000	10	-	-	Yes	Surface
Line	D8	-	36.47000	41.32000	0.00000	27.55900	34.85000	0.00000	23	-	-	Yes	Surface
Grid	Grid 1	Global X	0.00000	0.00000	0.00000	-	57.42000	0.00000	99	82.00000	99	No	Surface

Vertical Ground Movement Curves (Excavations)

Curve Name: **No vertical ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = 0.0x + 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.040][2.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -2.0E-2x + 4.0E-2
Coeff. of Determination: 1.0

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][0.050,0.000,0.047][0.100,0.000,0.043][0.150,0.000,0.040]
[0.200,0.000,0.037][0.250,0.000,0.034][0.300,0.000,0.031][0.350,0.000,0.028]
[0.400,0.000,0.025][0.450,0.000,0.022][0.500,0.000,0.020][0.550,0.000,0.018]
[0.600,0.000,0.016][0.650,0.000,0.014][0.700,0.000,0.012][0.750,0.000,0.010]
[0.800,0.000,0.008][0.850,0.000,0.007][0.900,0.000,0.006][0.950,0.000,0.005]
[1.000,0.000,0.004][1.050,0.000,0.003][1.100,0.000,0.003][1.150,0.000,0.002]
[1.200,0.000,0.002][1.250,0.000,0.001][1.300,0.000,0.001][1.350,0.000,0.001]
[1.400,0.000,0.001][1.450,0.000,0.000][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-1.2355E-2x^4 + 3.4814E-2x^3 - 2.8885E-3x^2 - 6.5618E-2x + 4.9987E-2$
Coeff. of Determination: 1.0000

Curve Name: **ExcavHighStiffClay-0.85**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Settlement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.033][0.100,0.000,0.042][0.200,0.000,0.048][0.300,0.000,0.053]
[0.400,0.000,0.057][0.500,0.000,0.059][0.600,0.000,0.061][0.700,0.000,0.062]
[0.800,0.000,0.062][0.900,0.000,0.061][1.000,0.000,0.059][1.100,0.000,0.058]
[1.200,0.000,0.055][1.300,0.000,0.052][1.400,0.000,0.049][1.500,0.000,0.046]
[1.600,0.000,0.043][1.700,0.000,0.039][1.800,0.000,0.036][1.900,0.000,0.032]
[2.000,0.000,0.029][2.100,0.000,0.025][2.200,0.000,0.023][2.300,0.000,0.020]
[2.400,0.000,0.017][2.500,0.000,0.014][2.600,0.000,0.012][2.700,0.000,0.010]
[2.800,0.000,0.009][2.900,0.000,0.007][3.000,0.000,0.006][3.100,0.000,0.004]
[3.200,0.000,0.003][3.300,0.000,0.003][3.400,0.000,0.003][3.500,0.000,0.002]
[3.600,0.000,0.002][3.700,0.000,0.002][3.800,0.000,0.001][3.900,0.000,0.001]
[4.000,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 4
y Order: 0
Polynomial: z = $-2.2486E-3x^4 + 2.4220E-2x^3 - 8.5430E-2x^2 + 8.9838E-2x + 3.3142E-2$
Coeff. of Determination: 9.9991E-1

Horizontal Ground Movement Curves (Excavations)

Type	Name	Direction of extrusion	Point/Line/Line for extrusion	No. of intervals across extrusion/line	Extrusion depth	No. of intervals along extrusion	Calculate Surface type for tunnels

Curve Name: **No horizontal ground movement**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.000][1.000,0.000,0.000][0.000,1.000,0.000][1.000,1.000,0.000]
Curve Fitting Method: Polynomial
x Order: 0
y Order: 0
Polynomial: z = 0.0
Coeff. of Determination: -2147483648.E+2147483647

Curve Name: **Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.041][0.050,0.000,0.039][0.100,0.000,0.036][0.150,0.000,0.034]
[0.200,0.000,0.032][0.250,0.000,0.030][0.300,0.000,0.029][0.350,0.000,0.027]
[0.400,0.000,0.025][0.450,0.000,0.023][0.500,0.000,0.022][0.550,0.000,0.020]
[0.600,0.000,0.019][0.650,0.000,0.018][0.700,0.000,0.016][0.750,0.000,0.015]
[0.800,0.000,0.014][0.850,0.000,0.013][0.900,0.000,0.012][0.950,0.000,0.010]
[1.000,0.000,0.009][1.050,0.000,0.008][1.100,0.000,0.007][1.150,0.000,0.006]
[1.200,0.000,0.005][1.250,0.000,0.004][1.300,0.000,0.004][1.350,0.000,0.003]
[1.400,0.000,0.002][1.450,0.000,0.001][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 3
y Order: 0
Polynomial: z = $-4.2486E\text{-}3x^3 + 1.9096E\text{-}2x^2 - 4.6221E\text{-}2x + 4.0729E\text{-}2$
Coeff. of Determination: 1.0000

Curve Name: **Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.050][1.500,0.000,0.000]
Curve Fitting Method: Polynomial
x Order: 1
y Order: 0
Polynomial: z = -3.33E-2x + 5.00E-2
Coeff. of Determination: 1.00

Curve Name: **ExcavHighStiffClay-0.85**
Coordinates: [Distance from wall / wall depth or max. excavation depth (x), Depth / wall depth or max. excavation depth (y), Horizontal movement / wall depth or max. excavation depth (z)(%)]
[0.000,0.000,0.128][4.000,0.000,0.000]
Curve Fitting Method: Linear

Polygonal Excavations

Excavation Name: **InstallContig**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-8.0000	No	-	-	-	-	-	-
2	48.423	37.225	-8.0000	No	-	-	-	-	-	-
3	55.142	28.291	-8.0000	No	-	-	-	-	-	-
4	42.970	19.138	-8.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
2	48.423	37.225	55.142	28.291	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
3	55.142	28.291	42.970	19.138	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(b))	Installation of contiguous bored pile wall in stiff clay (CIRIA 580 Fig. 2.8(a))
4	42.970	19.138	36.252	28.072	No vertical ground movement	No horizontal ground movement

Excavation Name: **Excavate**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
2	48.423	37.225	55.142	28.291	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
3	55.142	28.291	42.970	19.138	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85
4	42.970	19.138	36.252	28.072	ExcavHighStiffClay-0.85	ExcavHighStiffClay-0.85

Excavation Name: **IntallUnderpin**
Surface level [m]: 0.0
Contribution: Positive
Enabled: Yes

Corner	x [m]	y [m]	Base Level [m]	Stiffened	Previous Side d [m]	Previous Side p1 [%]	Previous Side p2* [%]	Next Side d [m]	Next Side p1 [%]	Next Side p2* [%]
1	36.252	28.072	-4.0000	No	-	-	-	-	-	-
2	48.423	37.225	-4.0000	No	-	-	-	-	-	-
3	55.142	28.291	-4.0000	No	-	-	-	-	-	-
4	42.970	19.138	-4.0000	No	-	-	-	-	-	-

Side	Corner 1 x [m]	Corner 1 y [m]	Corner 2 x [m]	Corner 2 y [m]	Ground Movement Curve Vertical	Ground Movement Curve Horizontal
1	36.252	28.072	48.423	37.225	No vertical ground movement	No horizontal ground movement
2	48.423	37.225	55.142	28.291	No vertical ground movement	No horizontal ground movement
3	55.142	28.291	42.970	19.138	No vertical ground movement	No horizontal ground movement
4	42.970	19.138	36.252	28.072	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(b))	Installation of planar diaphragm wall in stiff clay (CIRIA 580 Fig. 2.9(a))

Damage Category Strains

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)
Burland Strain Limits	0.0	500.00E-6	750.00E-6	0.0015000

Name	0 (Negligible) to 1 (Very Slight)	1 (Very Slight) to 2 (Slight)	2 (Slight) to 3 (Moderate)	3 (Moderate) to 4 (Severe)

Specific Structures - Geometry

Structure Name	Sub-Structure Name	Displacement Line	Start Distance Along Line [m]	End Distance Along Line [m]	Vertical Offsets from Line for Vertical Movement Calculations [m]	Vertical Displacement Limit Sensitivity [mm]	Damage Category Strains	Poisson's Ratio	E/G
A	A1	A1	0.00000	4.30400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A2	A2	0.00000	2.51300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A3	A3	0.00000	3.78200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A4	A4	0.00000	3.89800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A5	A5	0.00000	7.98900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
A	A6	A6	0.00000	6.35800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B1	B1	0.00000	3.89700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B2	B2	0.00000	0.92200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B3	B3	0.00000	5.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B4	B4	0.00000	1.08100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B5	B5	0.00000	6.36400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B6	B6	0.00000	1.06800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B7	B7	0.00000	1.10000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B8	B8	0.00000	10.61400	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B9	B9	0.00000	2.59600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B10	B10	0.00000	1.74100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B11	B11	0.00000	2.39500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B12	B12	0.00000	0.94600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B13	B13	0.00000	2.75600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B14	B14	0.00000	2.21700	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B15	B15	0.00000	4.42200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B16	B16	0.00000	4.44100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B17	B17	0.00000	1.95300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B18	B18	0.00000	1.31900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B19	B19	0.00000	2.36500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
B	B20	B20	0.00000	5.07200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C1	C1	0.00000	4.10600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C2	C2	0.00000	3.41500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C3	C3	0.00000	2.93600	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C4	C4	0.00000	2.42300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C5	C5	0.00000	2.11000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C6	C6	0.00000	6.03300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C7	C7	0.00000	0.44300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C8	C8	0.00000	4.97100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C9	C9	0.00000	2.61800	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C10	C10	0.00000	0.82300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C11	C11	0.00000	4.94100	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
C	C12	C12	0.00000	11.06500	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D1	D1	0.00000	4.35900	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D2	D2	0.00000	3.92300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D3	D3	0.00000	3.33300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D4	D4	0.00000	16.01300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D5	D5	0.00000	3.09200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D6	D6	0.00000	1.16000	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D7	D7	0.00000	4.56300	0.0	0.10000	Burland Strain Limits	0.20000	2.6000
D	D8	D8	0.00000	11.01200	0.0	0.10000	Burland Strain Limits	0.20000	2.6000

Specific Structures - Bending Parameters

Structure Name	Sub-Structure Name	Height [m]	Default Properties	Hogging			Sagging		
				2nd Moment of Area (per unit width) [m³]	Distance of Bending Strain from N.A. [m]	Distance of N.A. from Edge of Beam in Tension [m]	2nd Moment of Area (per unit width) [m³]	Distance of Bending Strain from N.A. [m]	Distance of N.A. from Edge of Beam in Tension [m]
A	A1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
A	A6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B13	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B14	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B15	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B16	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B17	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B18	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B19	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
B	B20	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C9	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C10	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C11	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
C	C12	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D1	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D2	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D3	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D4	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D5	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D6	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D7	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000
D	D8	6.0000	Yes	72.000	6.0000	6.0000	18.000	3.0000	3.0000

Building Segment Combinations

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical Movement Calculations [m]	Segment Start [m]	Length [m]	Curvature	Combined Segment

No structures have segments combined.

Utility Strain Calculation Options

Neglect beneficial contribution of axial strains : No

Warnings

1 Multiple excavations have been specified. The displacements resulting from these excavations are calculated by summing the displacements resulting from each

Structure Name	Sub-Structure Name	Vertical Offset from Line for Vertical	Segment Start Length Curvature	Combined Segment

individual excavation. No account has been taken of the interactions between excavations (e.g. overlapping zones of influence or 'shielding' of one excavation by another).

Errors

None

Displacement and Strain Results

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement along Line	Horizontal displacement perpendicular to Line	Angle of Line to x Axis
	[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]
A1	Line 1	29.57700	22.24700	0.00000	1.8252	1.3726	0.89047	2.2827	-0.066982	38.624
	0.47829	29.95067	22.54556	0.00000	1.9470	1.4642	1.0388	2.4350	-0.071452	38.624
	0.95658	30.32433	22.84411	0.00000	2.0688	1.5557	1.1956	2.5874	-0.075922	38.624
	1.4349	30.69800	23.14267	0.00000	2.1906	1.6473	1.3585	2.7397	-0.080391	38.624
	1.9132	31.07167	23.44122	0.00000	2.3124	1.7389	1.5246	2.8920	-0.084861	38.624
	2.3915	31.44533	23.73978	0.00000	2.4342	1.8305	1.6906	3.0443	-0.089331	38.624
	2.8697	31.81900	24.03833	0.00000	2.5648	1.9287	1.8551	3.2077	-0.094123	38.624
	3.3480	32.19267	24.33689	0.00000	2.8139	2.1161	2.0328	3.5193	-0.10327	38.624
	3.8263	32.56633	24.63544	0.00000	3.0631	2.3035	2.1985	3.8309	-0.11241	38.624
	4.3046	32.94000	24.93400	0.00000	3.3122	2.4908	2.3595	4.1425	-0.12155	38.624
A2	Line 2	32.94000	24.93400	0.00000	3.3122	2.4908	2.3595	0.12128	4.1425	308.62
	0.41896	33.20150	24.60667	0.00000	3.3186	2.4957	2.3636	0.12151	4.1585	308.62
	0.83792	33.46300	24.27933	0.00000	3.3250	2.5005	2.3677	0.12175	4.1585	308.62
	1.2569	33.72450	23.95200	0.00000	3.3314	2.5053	2.3718	0.12198	4.1665	308.62
	1.6758	33.98600	23.62467	0.00000	3.3378	2.5101	2.3759	0.12221	4.1745	308.62
	2.0948	34.24750	23.29733	0.00000	3.3442	2.5149	2.3800	0.12245	4.1825	308.62
	2.5138	34.50900	22.97000	0.00000	3.3506	2.5197	2.3841	0.12268	4.1905	308.62
A3	Line 3	34.50900	22.97000	0.00000	3.3506	2.5197	2.3841	4.1905	-0.12295	38.624
	0.47280	34.87837	23.26512	0.00000	3.5969	2.7049	2.5430	4.4985	-0.13199	38.624
	0.94559	35.24775	23.56025	0.00000	3.8432	2.8901	2.7029	4.8065	-0.14103	38.624
	1.4184	35.61713	23.85537	0.00000	4.0895	3.0753	2.8622	5.1146	-0.15007	38.624
	1.8912	35.98650	24.15050	0.00000	4.3358	3.2606	3.0164	5.4226	-0.15910	38.624
	2.3640	36.35587	24.44563	0.00000	4.5821	3.4458	3.1584	5.7306	-0.16814	38.624
	2.8368	36.72525	24.74075	0.00000	4.8284	3.6310	3.2784	6.0387	-0.17718	38.624
	3.3096	37.09463	25.03588	0.00000	5.0747	3.8162	3.3637	6.3467	-0.18622	38.624
	3.7824	37.46400	25.33100	0.00000	5.3210	4.0014	3.3989	6.6548	-0.19526	38.624
A4	Line 4	37.46400	25.33100	0.00000	5.3210	4.0014	3.3989	-0.076211	6.6572	306.29
	0.48725	37.75238	24.93825	0.00000	5.3180	3.9992	3.3988	-0.076169	6.6536	306.29
	0.97450	38.04075	24.54550	0.00000	5.3151	3.9971	3.3987	-0.076128	6.6499	306.29
	1.4618	38.32912	24.15275	0.00000	5.3122	3.9949	3.3987	-0.076086	6.6463	306.29
	1.9490	38.61750	23.76000	0.00000	5.3093	3.9927	3.3986	-0.076045	6.6426	306.29
	2.4363	38.90588	23.36725	0.00000	5.3064	3.9905	3.3985	-0.076003	6.6390	306.29
	2.9235	39.19425	22.97450	0.00000	5.3035	3.9883	3.3984	-0.075961	6.6354	306.29
	3.4108	39.48262	22.58175	0.00000	5.3006	3.9861	3.3983	-0.075920	6.6317	306.29
	3.8980	39.77100	22.18900	0.00000	5.2977	3.9839	3.3982	-0.075878	6.6281	306.29
A5	Line 5	39.77100	22.18900	0.00000	5.2977	3.9839	3.3982	-6.6268	0.15291	218.27
	0.49335	39.37894	21.87975	0.00000	5.0375	3.7883	3.3536	-6.3013	0.14540	218.27
	0.99870	38.98687	21.57050	0.00000	4.7774	3.5926	3.2560	-5.9759	0.13789	218.27
	1.4980	38.59481	21.26125	0.00000	4.5172	3.3970	3.1227	-5.6504	0.13038	218.27
	1.9974	38.20275	20.95200	0.00000	4.2570	3.2013	2.9680	-5.3250	0.12287	218.27
	2.4967	37.81069	20.64275	0.00000	3.9968	3.0057	2.8026	-4.9995	0.11536	218.27
	2.9961	37.41862	20.33350	0.00000	3.7367	2.8100	2.6337	-4.6741	0.10786	218.27
	3.4954	37.02656	20.02425	0.00000	3.4765	2.6144	2.4652	-4.3487	0.10035	218.27
	3.9948	36.63450	19.71500	0.00000	3.2163	2.4187	2.2977	-4.0232	0.092836	218.27
	4.4941	36.24244	19.40575	0.00000	2.9561	2.2231	2.1283	-3.6978	0.085326	218.27
	4.9935	35.85038	19.09650	0.00000	2.6960	2.0274	1.9507	-3.3723	0.077817	218.27
	5.4928	35.45831	18.78725	0.00000	2.4929	1.8747	1.7695	-3.1183	0.071956	218.27
	5.9922	35.06625	18.47800	0.00000	2.3657	1.7791	1.5976	-2.9593	0.068285	218.27
	6.4915	34.67419	18.16875	0.00000	2.2386	1.6834	1.4238	-2.8002	0.064614	218.27
	6.9909	34.28213	17.85950	0.00000	2.1114	1.5878	1.2521	-2.6411	0.060943	218.27
	7.4902	33.89006	17.55025	0.00000	1.9842	1.4922	1.0859	-2.4820	0.057272	218.27
	7.9896	33.49800	17.24100	0.00000	1.8570	1.3965	0.92831	-2.3229	0.053602	218.27
A6	Line 6	33.49800	17.24100	0.00000	1.8570	1.3965	0.92831	-0.045679	-2.3231	128.07
	0.48914	33.19638	17.62608	0.00000	1.8546	1.3947	0.92537	-0.045619	-2.3200	128.07
	0.97828	32.89477	18.01115	0.00000	1.8521	1.3928	0.92244	-0.045559	-2.3170	128.07
	1.4674	32.59315	18.39623	0.00000	1.8497	1.3910	0.91952	-0.045499	-2.3139	128.07
	1.9566	32.29154	18.78131	0.00000	1.8472	1.3891	0.91659	-0.045438	-2.3108	128.07
	2.4457	31.98992	19.16638	0.00000	1.8448	1.3873	0.91367	-0.045378	-2.3078	128.07
	2.9348	31.68831	19.55146	0.00000	1.8423	1.3855	0.91076	-0.045318	-2.3047	128.07
	3.4240	31.38669	19.93654	0.00000	1.8399	1.3836	0.90785	-0.045258	-2.3016	128.07
	3.9131	31.08508	20.32162	0.00000	1.8374	1.3818	0.90494	-0.045197	-2.2986	128.07
	4.4022	30.78346	20.70669	0.00000	1.8350	1.3799	0.90204	-0.045137	-2.2955	128.07
	4.8914	30.48185	21.09177	0.00000	1.8325	1.3781	0.89914	-0.045077	-2.2924	128.07
	5.3805	30.18023	21.47685	0.00000	1.8301	1.3763	0.89625	-0.045017	-2.2894	128.07
	5.8697	29.87862	21.86192	0.00000	1.8276	1.3744	0.89336	-0.044956	-2.2863	128.07
	6.3588	29.57700	22.24700	0.00000	1.8252	1.3726	0.89047	-0.044896	-2.2833	128.07
B1	Line 7	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
	3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	36.823
B2	Line 8	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
	0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	127.69
B3	Line 9	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
	5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	37.252
B4	Line 10	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
	1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	307.26
B5	Line 11	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0	0.0	36.625
	1.4688	29.01377	11.66323	0.00000	0.089982	0.067668	0.023478	0.11258	626.18E-6	36.625
	1.9584	29.40669	11.95531	0.00000	0.21470	0.16146	0.044447	0.26864	0.0014941	36.625
	2.4479	29.79962	12.24738	0.00000	0.33943	0.25525	0.060795	0.42469	0.0023621	36.625
	2.9375	30.19254	12.53946	0.00000	0.46415	0.34905	0.076623	0.58074	0.0032300	36.625
	3.4271	30.58546	12.83154	0.00000	0.58887	0.44284	0.095542	0.73679	0.0040979	36.625
	3.9167	30.97838	13.12362	0.00000	0.71359	0.53663	0.12068	0.89284	0.0049659	36.625
	4.4063	31.37131	13.41569	0.00000	0.83832	0.63043	0.15469	1.0489	0.0058338	36.625
	4.8959	31.76423	13.70777	0.00000	0.96304	0.72422	0.19972	1.2049	0.0067018	36.625
	5.3855	32.15715	13.99985	0.00000	1.0878	0.81801	0.25745	1.3610	0.0075697	36.625
	5.8751	32.55008	14.29192	0.00000	1.2125	0.91181	0.32907	1.5170	0.0084376	36.625
	6.3647	32.94300	14.58400	0.00000	1.3372	1.0056	0.41530	1.6731	0.0093056	36.625
B6	Line 12	32.94300	14.58400	0.00000	1.3372	1.0056	0.41530	0.0081061	-1.6731	126.67
	0.35614	32.73033	14.86967	0.00000	1.3376	1.0059	0.41563	0.0081088	-1.6737	126.67
	0.71227	32.51767	15.15533	0.00000	1.3381	1.0063	0.41596	0.0081115	-1.6742	126.67
	1.0684	32.30500	15.44100	0.00000	1.3385	1.0066	0.41629	0.0081141	-1.6748	126.67
B7	Line 13	32.30500	15.44100	0.00000	1.3385	1.0066	0.41629	1.6746	0.023764	36.131
	0.36690	32.60133	15.65733	0.00000	1.4320	1.0769	0.49073	1.7915	0.025423	36.131
	0.73379	32.89767	15.87367	0.00000	1.5254	1.1472	0.57343	1.9085	0.027082	36.131
	1.1007	33.19400	16.09000	0.00000	1.6189	1.2174	0.66412	2.0254	0.028741	36.131
B8	Line 14	33.19400	16.09000	0.00000	1.6189	1.2174	0.66412	586.50E-6	-2.0256	126.93
	0.48246	32.90414	16.47568	0.00000	1.6189	1.2175	0.66416	586.52E-6	-2.0256	126.93
	0.96493	32.61427	16.86136	0.00000	1.6190	1.2175	0.66420	586.53E-6	-2.0257	126.93

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	1.4474	32.32441	17.24705	0.00000	1.6190	1.2175	0.66423	586.54E-6	-2.0257	126.93
	1.9299	32.03455	17.63273	0.00000	1.6190	1.2175	0.66427	586.56E-6	-2.0258	126.93
	2.4123	31.74468	18.01841	0.00000	1.6191	1.2176	0.66430	586.57E-6	-2.0258	126.93
	2.8948	31.45482	18.40409	0.00000	1.6191	1.2176	0.66434	586.58E-6	-2.0259	126.93
	3.3772	31.16495	18.78977	0.00000	1.6192	1.2176	0.66438	586.59E-6	-2.0259	126.93
	3.8597	30.87509	19.17545	0.00000	1.6192	1.2177	0.66441	586.61E-6	-2.0259	126.93
	4.3422	30.58523	19.56114	0.00000	1.6192	1.2177	0.66445	586.62E-6	-2.0260	126.93
	4.8246	30.29536	19.94682	0.00000	1.6193	1.2177	0.66448	586.63E-6	-2.0260	126.93
	5.3071	30.00550	20.33250	0.00000	1.6193	1.2177	0.66452	586.65E-6	-2.0261	126.93
	5.7896	29.71564	20.71818	0.00000	1.6193	1.2178	0.66456	586.66E-6	-2.0261	126.93
	6.2720	29.42577	21.10386	0.00000	1.6194	1.2178	0.66459	586.67E-6	-2.0262	126.93
	6.7545	29.13591	21.48955	0.00000	1.6194	1.2178	0.66463	586.68E-6	-2.0262	126.93
	7.2370	28.84605	21.87523	0.00000	1.6194	1.2178	0.66466	586.70E-6	-2.0263	126.93
	7.7194	28.55618	22.26091	0.00000	1.6195	1.2179	0.66470	586.71E-6	-2.0263	126.93
	8.2019	28.26632	22.64659	0.00000	1.6122	1.1188	0.70068	-0.074229	-1.9610	126.93
	8.6843	27.97645	23.03227	0.00000	1.5985	1.0130	0.73147	-0.15064	-1.8864	126.93
	9.1668	27.68659	23.41795	0.00000	1.5786	0.90614	0.75505	-0.22407	-1.8064	126.93
	9.6493	27.39673	23.80364	0.00000	1.5525	0.80016	0.77117	-0.29312	-1.7218	126.93
	10.132	27.10686	24.18932	0.00000	1.5203	0.69669	0.77974	-0.35648	-1.6339	126.93
	10.614	26.81700	24.57500	0.00000	1.4821	0.59723	0.78088	-0.41303	-1.5436	126.93
B9	Line 15	26.81700	24.57500	0.00000	1.4821	0.59723	0.78088	-1.5362	0.43996	217.93
	0.43274	26.47567	24.30900	0.00000	1.3748	0.58452	0.66551	-1.4437	0.38401	217.93
	0.86548	26.13433	24.04300	0.00000	1.2673	0.56617	0.56226	-1.3476	0.33243	217.93
	1.2982	25.79300	23.77700	0.00000	1.1597	0.54281	0.47112	-1.2484	0.28472	217.93
	1.7310	25.45167	23.51100	0.00000	1.0520	0.51500	0.39184	-1.1464	0.24044	217.93
	2.1637	25.11033	23.24500	0.00000	0.94623	0.48044	0.32391	-1.0417	0.20268	217.93
	2.5964	24.76900	22.97900	0.00000	0.84455	0.43664	0.26657	-0.93456	0.17473	217.93
B10	Line 16	24.76900	22.97900	0.00000	0.84455	0.43664	0.26657	0.15559	0.93793	306.76
	0.43530	25.02950	22.63025	0.00000	0.87137	0.48213	0.26186	0.13519	0.98664	306.76
	0.87060	25.29000	22.28150	0.00000	0.89486	0.52766	0.25487	0.11277	1.0327	306.76
	1.3059	25.55050	21.93275	0.00000	0.91488	0.57273	0.24563	0.088644	1.0757	306.76
	1.7412	25.81100	21.58400	0.00000	0.93132	0.61678	0.23419	0.063188	1.1153	306.76
B11	Line 17	25.81100	21.58400	0.00000	0.93132	0.61678	0.23419	-1.1138	0.084997	217.88
	0.47915	25.43280	21.28980	0.00000	0.81211	0.54111	0.18491	-0.97325	0.071532	217.88
	0.95831	25.05460	20.99560	0.00000	0.69268	0.46412	0.14641	-0.83171	0.058968	217.88
	1.4375	24.67640	20.70140	0.00000	0.57304	0.38595	0.11861	-0.68928	0.047212	217.88
	1.9166	24.29820	20.40720	0.00000	0.45322	0.30672	0.092987	-0.54606	0.036182	217.88
	2.3958	23.92000	20.11300	0.00000	0.33323	0.22653	0.072572	-0.40211	0.025807	217.88
B12	Line 18	23.92000	20.11300	0.00000	0.33323	0.22653	0.072572	0.025778	0.40211	307.87
	0.47317	24.21050	19.73950	0.00000	0.34354	0.24475	0.068390	0.017719	0.42144	307.87
	0.94635	24.50100	19.36600	0.00000	0.35007	0.26076	0.063414	0.0090915	0.43642	307.87
B13	Line 19	24.50100	19.36600	0.00000	0.35007	0.26076	0.063414	-0.43647	0.0062170	217.50
	0.45943	24.13650	19.08633	0.00000	0.23320	0.17382	0.047867	-0.29082	0.0040467	217.50
	0.91886	23.77200	18.80667	0.00000	0.11630	0.086747	0.028887	-0.14508	0.0019738	217.50
	1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
	2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	217.50
B14	Line 20	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
	2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	127.47
B15	Line 21	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
	4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	216.91
B16	Line 22	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
	4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	305.69
B17	Line 23	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
	1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	219.29
B18	Line 24	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
	1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	307.49
B19	Line 25	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
	2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	216.99
B20	Line 26	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
	5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0	0.0	307.58
C1	Line 27	36.28600	29.95000	0.00000	4.3589	-5.7962	5.1389	-7.2513	0.11954	127.89
	0.45629	36.00578	30.31011	0.00000	4.1655	-5.5390	5.1822	-6.9296	0.11423	127.89
	0.91259	35.72556	30.67022	0.00000	3.9771	-5.2885	5.1698	-6.6162	0.10907	127.89
	1.3689	35.44533	31.03033	0.00000	3.7935	-5.0444	5.1087	-6.3108	0.10403	127.89
	1.8252	35.16511	31.39044	0.00000	3.6145	-4.8063	5.0054	-6.0129	0.099122	127.89
	2.2815	34.88489	31.75056	0.00000	3.4397	-4.5740	4.8660	-5.7223	0.094331	127.89
	2.7378	34.60467	32.11067	0.00000	3.2691	-4.3471	4.6965	-5.4384	0.089652	127.89
	3.1941	34.32444	32.47078	0.00000	3.1024	-4.1254	4.5021	-5.1610	0.085079	127.89
	3.6504	34.04422	32.83089	0.00000	2.9393	-3.9085	4.2879	-4.8897	0.080606	127.89
	4.1066	33.76400	33.19100	0.00000	2.7796	-3.6961	4.0587	-4.6240	0.076226	127.89
C2	Line 28	33.76400	33.19100	0.00000	2.7796	-3.6961	4.0587	-0.15032	4.6222	215.08
	0.48792	33.36471	32.91057	0.00000	2.7741	-3.6888	4.0505	-0.15002	4.6131	215.08
	0.97585	32.96543	32.63014	0.00000	2.7686	-3.6815	4.0423	-0.14973	4.6039	215.08
	1.4638	32.56614	32.34971	0.00000	2.7577	-3.4268	3.9410	-0.28720	4.3892	215.08
	1.9517	32.16686	32.06929	0.00000	2.7313	-3.0909	3.7951	-0.45862	4.0992	215.08
	2.4396	31.76757	31.78886	0.00000	2.6889	-2.7576	3.6333	-0.61552	3.8020	215.08
	2.9275	31.36829	31.50843	0.00000	2.6304	-2.4356	3.4579	-0.75272	3.5050	215.08
	3.4155	30.96900	31.22800	0.00000	2.5664	-2.1247	3.2736	-0.87907	3.2138	215.08
C3	Line 29	30.96900	31.22800	0.00000	2.5664	-2.1247	3.2736	-3.2138	-0.87879	125.09
	0.48944	30.68767	31.62850	0.00000	2.4254	-2.0919	3.0876	-3.1059	-0.78224	125.09
	0.97887	30.40633	32.02900	0.00000	2.2833	-2.0374	2.8889	-2.9797	-0.69732	125.09
	1.4683	30.12500	32.42950	0.00000	2.1409	-1.9655	2.6822	-2.8389	-0.62204	125.09
	1.9577	29.84367	32.83000	0.00000	1.9983	-1.8794	2.4719	-2.6865	-0.55485	125.09
	2.4472	29.56233	33.23050	0.00000	1.8559	-1.7817	2.2619	-2.5247	-0.49450	125.09
	2.9366	29.28100	33.63100	0.00000	1.7137	-1.6742	2.0553	-2.3551	-0.43995	125.09
C4	Line 30	29.28100	33.63100	0.00000	1.7137	-1.6742	2.0553	0.36390	-2.3680	36.931
	0.48464	29.66840	33.92220	0.00000	1.7429	-1.8332	2.1548	0.29171	-2.5126	36.931
	0.96928	30.05580	34.21340	0.00000	1.7647	-1.9904	2.2450	0.21468	-2.6514	36.931
	1.4539	30.44320	34.50460	0.00000	1.7787	-2.1433	2.3245	0.13401	-2.7821	36.931
	1.9386	30.83060	34.79580	0.00000	1.7847	-2.2893	2.3918	0.051043	-2.9023	36.931
	2.4232	31.21800	35.08700	0.00000	1.7842	-2.3726	2.4259	654.96E-6	-2.9686	36.931
C5	Line 31	31.21800	35.08700	0.00000	1.7842	-2.3726	2.4259	-1.2000	-2.7152	60.787
	0.42208	31.42400	35.45540	0.00000	1.7313	-2.3022	2.3398	-1.1644	-2.6347	60.787
	0.84417	31.63000	35.82380	0.00000	1.6786	-2.2321	2.2549	-1.1290	-2.5545	60.787
	1.2663	31.83600	36.19220	0.00000	1.6261	-2.1623	2.1714	-1.0936	-2.4746	60.787
	1.6883	32.04200	36.56060	0.00000	1.5738	-2.0927	2.0895	-1.0585	-2.3950	60.787
	2.1104	32.24800	36.92900	0.00000	1.5217	-2.0234	2.0090	-1.0234	-2.3157	60.787
C6	Line 32	32.24800	36.92900	0.00000	1.5217	-2.0234	2.0090	0.026436	-2.5316	36.346
	0.46414	32.62185	37.20408	0.00000	1.5231	-2.0254	2.0113	0.026462	-2.5341	36.346
	0.92829	32.99569	37.47915	0.00000	1.5246	-2.0274	2.0136	0.026488	-2.5365	36.346

Type/No.		Coordinates			Displacements					Angle of Line to x Axis
Name	Dist.	x	y	z	x	y	z	Horizontal displacement	Horizontal displacement	
	1.3924	33.36954	37.75423	0.00000	1.5261	-2.0293	2.0158	0.026513	-2.5390	36.346
	1.8566	33.74338	38.02931	0.00000	1.5276	-2.0313	2.0181	0.026539	-2.5415	36.346
	2.3207	34.11723	38.30438	0.00000	1.5291	-2.0333	2.0204	0.026565	-2.5439	36.346
	2.7849	34.49108	38.57946	0.00000	1.5305	-2.0352	2.0226	0.026590	-2.5464	36.346
	3.2490	34.86492	38.85454	0.00000	1.5320	-2.0372	2.0249	0.026616	-2.5488	36.346
	3.7131	35.23877	39.12962	0.00000	1.5335	-2.0392	2.0272	0.026642	-2.5513	36.346
	4.1773	35.61262	39.40469	0.00000	1.5350	-2.0411	2.0295	0.026668	-2.5538	36.346
	4.6414	35.98646	39.67977	0.00000	1.5365	-2.0431	2.0317	0.026693	-2.5562	36.346
	5.1056	36.36031	39.95485	0.00000	1.5379	-2.0451	2.0340	0.026719	-2.5587	36.346
	5.5697	36.73415	40.22992	0.00000	1.5394	-2.0470	2.0363	0.026745	-2.5611	36.346
	6.0339	37.10800	40.50500	0.00000	1.5409	-2.0490	2.0386	0.026770	-2.5636	36.346
C7	Line 33	37.10800	40.50500	0.00000	1.5409	-2.0490	2.0386	2.5636	0.025287	306.38
	0.44342	37.37100	40.14000	0.00000	1.6769	-2.2298	2.2522	2.7899	0.027519	306.38
C8	Line 34	37.37100	40.14000	0.00000	1.6769	-2.2298	2.2522	0.028750	-2.7899	36.354
	0.49716	37.77140	40.44270	0.00000	1.6785	-2.2319	2.2547	0.028777	-2.7925	36.354
	0.99432	38.17180	40.73740	0.00000	1.6801	-2.2341	2.2573	0.028805	-2.7951	36.354
	1.4915	38.57220	41.03210	0.00000	1.6816	-2.2362	2.2598	0.028832	-2.7978	36.354
	1.9886	38.97260	41.32680	0.00000	1.6832	-2.2383	2.2623	0.028859	-2.8004	36.354
	2.4858	39.37300	41.62150	0.00000	1.6848	-2.2404	2.2648	0.028886	-2.8030	36.354
	2.9830	39.77340	41.91620	0.00000	1.6864	-2.2425	2.2674	0.028913	-2.8056	36.354
	3.4801	40.17380	42.21090	0.00000	1.6880	-2.2446	2.2699	0.028940	-2.8083	36.354
	3.9773	40.57420	42.50560	0.00000	1.6895	-2.2467	2.2724	0.028967	-2.8109	36.354
	4.4744	40.97460	42.80030	0.00000	1.6911	-2.2488	2.2750	0.028994	-2.8135	36.354
	4.9716	41.37500	43.09500	0.00000	1.6927	-2.2509	2.2775	0.029021	-2.8162	36.354
C9	Line 35	41.37500	43.09500	0.00000	1.6927	-2.2509	2.2775	2.8162	0.029241	306.35
	0.43642	41.63367	42.74350	0.00000	1.8281	-2.4309	2.4981	3.0414	0.031580	306.35
	0.87284	41.89233	42.39200	0.00000	1.9651	-2.6131	2.7262	3.2694	0.033947	306.35
	1.3093	42.15100	42.04050	0.00000	2.1039	-2.7977	2.9602	3.5003	0.036344	306.35
	1.7457	42.40967	41.68900	0.00000	2.2447	-2.9849	3.1981	3.7345	0.038777	306.35
	2.1821	42.66833	41.33750	0.00000	2.3877	-3.1750	3.4373	3.9724	0.041246	306.35
	2.6185	42.92700	40.98600	0.00000	2.5331	-3.3683	3.6754	4.2143	0.043758	306.35
C10	Line 36	42.92700	40.98600	0.00000	2.5331	-3.3683	3.6754	-0.043335	4.2143	216.35
	0.41162	42.59550	40.74200	0.00000	2.5316	-3.3664	3.6731	-0.043311	4.2119	216.35
	0.82323	42.26400	40.49800	0.00000	2.5302	-3.3645	3.6708	-0.043287	4.2095	216.35
C11	Line 37	42.26400	40.49800	0.00000	2.5302	-3.3645	3.6708	4.2095	0.044297	306.34
	0.49410	42.55680	40.10000	0.00000	2.6979	-3.5875	3.9351	4.4885	0.047232	306.34
	0.98820	42.84960	39.70200	0.00000	2.8691	-3.8152	4.1894	4.7734	0.050230	306.34
	1.4823	43.14240	39.30400	0.00000	3.0443	-4.0481	4.4283	5.0648	0.053297	306.34
	1.9764	43.43520	38.90600	0.00000	3.2236	-4.2866	4.6461	5.3631	0.056436	306.34
	2.4705	43.72800	38.50800	0.00000	3.4074	-4.5310	4.8363	5.6689	0.059654	306.34
	2.9646	44.02080	38.11000	0.00000	3.5959	-4.7817	4.9924	5.9826	0.062955	306.34
	3.4587	44.31360	37.71200	0.00000	3.7895	-5.0391	5.1069	6.3047	0.066344	306.34
	3.9528	44.60640	37.31400	0.00000	3.9885	-5.3036	5.1720	6.6356	0.069827	306.34
	4.4469	44.89920	36.91600	0.00000	4.1930	-5.5756	5.1795	6.9759	0.073408	306.34
	4.9410	45.19200	36.51800	0.00000	4.4035	-5.8555	5.1206	7.3261	0.077092	306.34
C12	Line 38	45.19200	36.51800	0.00000	4.4035	-5.8555	5.1206	-0.068534	7.3261	216.41
	0.48113	44.80478	36.23243	0.00000	4.4015	-5.8529	5.1215	-0.068504	7.3229	216.41
	0.96226	44.41757	35.94687	0.00000	4.3996	-5.8503	5.1223	-0.068473	7.3197	216.41
	1.4434	44.03035	35.66130	0.00000	4.3976	-5.8477	5.1232	-0.068443	7.3164	216.41
	1.9245	43.64313	35.37574	0.00000	4.3957	-5.8451	5.1240	-0.068413	7.3132	216.41
	2.4056	43.25591	35.09017	0.00000	4.3937	-5.8426	5.1249	-0.068383	7.3100	216.41
	2.8868	42.86870	34.80461	0.00000	4.3918	-5.8400	5.1257	-0.068353	7.3067	216.41
	3.3679	42.48148	34.51904	0.00000	4.3899	-5.8374	5.1265	-0.068322	7.3035	216.41
	3.8490	42.09426	34.23348	0.00000	4.3879	-5.8348	5.1274	-0.068292	7.3003	216.41
	4.3302	41.70704	33.94791	0.00000	4.3860	-5.8322	5.1282	-0.068262	7.2971	216.41
	4.8113	41.31983	33.66235	0.00000	4.3840	-5.8297	5.1290	-0.068232	7.2938	216.41
	5.2924	40.93261	33.37678	0.00000	4.3821	-5.8271	5.1298	-0.068202	7.2906	216.41
	5.7735	40.54539	33.09122	0.00000	4.3802	-5.8245	5.1306	-0.068171	7.2874	216.41
	6.2547	40.15817	32.80565	0.00000	4.3782	-5.8219	5.1314	-0.068141	7.2842	216.41
	6.7358	39.77096	32.52009	0.00000	4.3763	-5.8193	5.1322	-0.068111	7.2809	216.41
	7.2169	39.38374	32.23452	0.00000	4.3743	-5.8168	5.1329	-0.068081	7.2777	216.41
	7.6981	38.99652	31.94896	0.00000	4.3724	-5.8142	5.1337	-0.068051	7.2745	216.41
	8.1792	38.60930	31.66339	0.00000	4.3705	-5.8116	5.1345	-0.068021	7.2713	216.41
	8.6603	38.22209	31.37783	0.00000	4.3685	-5.8090	5.1352	-0.067990	7.2680	216.41
	9.1414	37.83487	31.09226	0.00000	4.3666	-5.8065	5.1360	-0.067960	7.2648	216.41
	9.6226	37.44765	30.80670	0.00000	4.3647	-5.8039	5.1367	-0.067930	7.2616	216.41
	10.104	37.06043	30.52113	0.00000	4.3627	-5.8013	5.1375	-0.067900	7.2584	216.41
	10.585	36.67322	30.23557	0.00000	4.3608	-5.7988	5.1382	-0.067870	7.2552	216.41
	11.066	36.28600	29.95000	0.00000	4.3589	-5.7962	5.1389	-0.067840	7.2520	216.41
D1	Line 39	27.55900	34.85000	0.00000	1.0936	-1.0110	1.1938	-1.4618	-0.28483	126.22
	0.48439	27.27278	35.24078	0.00000	0.95615	-0.88737	1.0480	-1.2809	-0.24703	126.22
	0.96877	26.98656	35.63156	0.00000	0.81838	-0.75851	0.91298	-1.0955	-0.21203	126.22
	1.4532	26.70033	36.02233	0.00000	0.71775	-0.67481	0.78823	-0.96852	-0.18030	126.22
	1.9375	26.41411	36.41311	0.00000	0.62209	-0.59395	0.67284	-0.84676	-0.15091	126.22
	2.4219	26.12789	36.80389	0.00000	0.52664	-0.50998	0.56539	-0.72262	-0.12352	126.22
	2.9063	25.84167	37.19467	0.00000	0.43138	-0.42323	0.46401	-0.59634	-0.097932	126.22
	3.3907	25.55544	37.58544	0.00000	0.33630	-0.33395	0.36632	-0.46814	-0.073977	126.22
	3.8751	25.26922	37.97622	0.00000	0.24138	-0.24239	0.26953	-0.33818	-0.051501	126.22
	4.3595	24.98300	38.36700	0.00000	0.14660	-0.14876	0.17032	-0.20663	-0.030367	126.22
D2	Line 40	24.98300	38.36700	0.00000	0.14660	-0.14876	0.17032	-0.030332	0.20664	216.23
	0.49046	24.58738	38.07712	0.00000	0.12668	-0.12211	0.14527	-0.030011	0.17337	216.23
	0.98091	24.19175	37.78725	0.00000	0.10349	-0.094647	0.11761	-0.027541	0.13751	216.23
	1.4714	23.79613	37.49737	0.00000	0.077062	-0.066776	0.087370	-0.022695	0.099411	216.23
	1.9618	23.40050	37.20750	0.00000	0.047420	-0.038880	0.054462	-0.015272	0.059390	216.23
	2.4523	23.00488	36.91763	0.00000	0.014604	-0.011314	0.018718	-0.0050933	0.017758	216.23
	2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
	3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	216.23
D3	Line 41	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
	3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	125.27
D4	Line 42	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
	16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	35.945
D5	Line 43	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0	0.0	306.49
	2.2088	34.17057	46.39429	0.00000	0.020195	-0.026855	0.030748	0.033600	265.13E-6	306.49
	2.6505	34.43329	46.03914	0.00000	0.10482	-0.13939	0.14205	0.17440	0.0013762	306.49
	3.0923	34.69600	45.68400	0.00000	0.18945	-0.25192	0.24739	0.31520	0.0024872	306.49
D6	Line 44	34.69600	45.68400	0.00000	0.18945	-0.25192	0.24739	-0.0025265	0.31520	216.48
	0.38681	34.38500	45.45400	0.00000	0.18886	-0.25113	0.24667	-0.0025186	0.31421	216.48
	0.77362	34.07400	45.22400	0.00000	0.18826	-0.25034	0.24594	-0.0025106	0.31322	216.48

Type/No. Name	Dist.	Coordinates x	y	z	Displacements x	y	z	Horizontal displacement	Horizontal displacement	Angle of Line to x Axis
	1.1604	33.76300	44.99400	0.00000	0.18767	-0.24955	0.24521	-0.0025027	0.31223	216.48
D7	Line 45	33.76300	44.99400	0.00000	0.18767	-0.24955	0.24521	0.31223	0.0030586	306.38
	0.45636	34.03370	44.62660	0.00000	0.27509	-0.36581	0.35124	0.45768	0.0044835	306.38
	0.91271	34.30440	44.25920	0.00000	0.36252	-0.48206	0.45752	0.60313	0.0059083	306.38
	1.3691	34.57510	43.89180	0.00000	0.44994	-0.59831	0.56691	0.74858	0.0073332	306.38
	1.8254	34.84580	43.52440	0.00000	0.53737	-0.71456	0.68190	0.89403	0.0087580	306.38
	2.2818	35.11650	43.15700	0.00000	0.62479	-0.83081	0.80460	1.0395	0.010183	306.38
	2.7381	35.38720	42.78960	0.00000	0.71222	-0.94707	0.93679	1.1849	0.011608	306.38
	3.1945	35.65790	42.42220	0.00000	0.81920	-1.0893	1.0799	1.3629	0.013351	306.38
	3.6509	35.92860	42.05480	0.00000	0.95502	-1.2699	1.2348	1.5889	0.015565	306.38
	4.1072	36.19930	41.68740	0.00000	1.0911	-1.4509	1.4024	1.8154	0.017783	306.38
	4.5636	36.47000	41.32000	0.00000	1.2278	-1.6327	1.5828	2.0427	0.020011	306.38
D8	Line 46	36.47000	41.32000	0.00000	1.2278	-1.6327	1.5828	-0.034290	2.0425	215.98
	0.47879	36.08257	41.03870	0.00000	1.2254	-1.6295	1.5795	-0.034222	2.0385	215.98
	0.95758	35.69513	40.75739	0.00000	1.2230	-1.6263	1.5762	-0.034155	2.0345	215.98
	1.4364	35.30770	40.47609	0.00000	1.2206	-1.6230	1.5729	-0.034088	2.0305	215.98
	1.9152	34.92026	40.19478	0.00000	1.2182	-1.6198	1.5696	-0.034020	2.0265	215.98
	2.3939	34.53283	39.91348	0.00000	1.2157	-1.6166	1.5664	-0.033953	2.0225	215.98
	2.8727	34.14539	39.63217	0.00000	1.2133	-1.6134	1.5631	-0.033886	2.0185	215.98
	3.3515	33.75796	39.35087	0.00000	1.2109	-1.6102	1.5598	-0.033818	2.0144	215.98
	3.8303	33.37052	39.06957	0.00000	1.2085	-1.6070	1.5566	-0.033751	2.0104	215.98
	4.3091	32.98309	38.78826	0.00000	1.2061	-1.6038	1.5533	-0.033683	2.0064	215.98
	4.7879	32.59565	38.50696	0.00000	1.2037	-1.6006	1.5501	-0.033616	2.0024	215.98
	5.2667	32.20822	38.22565	0.00000	1.2013	-1.5974	1.5468	-0.033549	1.9984	215.98
	5.7455	31.82078	37.94435	0.00000	1.1989	-1.5942	1.5436	-0.033482	1.9944	215.98
	6.2242	31.43335	37.66304	0.00000	1.1965	-1.5910	1.5403	-0.033414	1.9904	215.98
	6.7030	31.04591	37.38174	0.00000	1.1940	-1.5878	1.5371	-0.033347	1.9864	215.98
	7.1818	30.65848	37.10043	0.00000	1.1916	-1.5846	1.5339	-0.033280	1.9824	215.98
	7.6606	30.27104	36.81913	0.00000	1.1892	-1.5814	1.5306	-0.033212	1.9784	215.98
	8.1394	29.88361	36.53783	0.00000	1.1868	-1.5780	1.5273	-0.033262	1.9742	215.98
	8.6182	29.49617	36.25652	0.00000	1.1867	-1.4957	1.4888	-0.081480	1.9075	215.98
	9.0970	29.10874	35.97522	0.00000	1.1801	-1.4066	1.4424	-0.12853	1.8316	215.98
	9.5758	28.72130	35.69391	0.00000	1.1674	-1.3122	1.3888	-0.17367	1.7477	215.98
	10.055	28.33387	35.41261	0.00000	1.1485	-1.2139	1.3289	-0.21620	1.6571	215.98
	10.533	27.94643	35.13130	0.00000	1.1239	-1.1131	1.2636	-0.25547	1.5610	215.98
	11.012	27.55900	34.85000	0.00000	1.0936	-1.0110	1.1938	-0.29091	1.4606	215.98

Specific Building Damage Results - Horizontal Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.57700	22.24700	0.00000	1.8252	1.3726	2.2827	-0.066982
0.47829	29.95067	22.54556	0.00000	1.9470	1.4642	2.4350	-0.071452
0.95658	30.32433	22.84411	0.00000	2.0688	1.5557	2.5874	-0.075922
1.4349	30.69800	23.14267	0.00000	2.1906	1.6473	2.7397	-0.080391
1.9132	31.07167	23.44122	0.00000	2.3124	1.7389	2.8920	-0.084861
2.3915	31.44533	23.73978	0.00000	2.4342	1.8305	3.0443	-0.089331
2.8697	31.81900	24.03833	0.00000	2.5648	1.9287	3.2077	-0.094123
3.3480	32.19267	24.33689	0.00000	2.8139	2.1161	3.5193	-0.10327
3.8263	32.56633	24.63544	0.00000	3.0631	2.3035	3.8309	-0.11241
4.3046	32.94000	24.93400	0.00000	3.3122	2.4908	4.1425	-0.12155

Structure: A | Sub-structure: A2

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94000	24.93400	0.00000	3.3122	2.4908	0.12128	4.1425
0.41896	33.20150	24.60667	0.00000	3.3186	2.4957	0.12151	4.1505
0.83792	33.46300	24.27933	0.00000	3.3250	2.5005	0.12175	4.1585
1.2569	33.72450	23.95200	0.00000	3.3314	2.5053	0.12198	4.1665
1.6758	33.98600	23.62467	0.00000	3.3378	2.5101	0.12221	4.1745
2.0948	34.24750	23.29733	0.00000	3.3442	2.5149	0.12245	4.1825
2.5138	34.50900	22.97000	0.00000	3.3506	2.5197	0.12268	4.1905

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.50900	22.97000	0.00000	3.3506	2.5197	4.1905	-0.12295
0.47280	34.87837	23.26512	0.00000	3.5969	2.7049	4.4985	-0.13199
0.94559	35.24775	23.56025	0.00000	3.8432	2.8901	4.8065	-0.14103
1.4184	35.61713	23.85537	0.00000	4.0895	3.0753	5.1146	-0.15007
1.8912	35.98650	24.15050	0.00000	4.3358	3.2606	5.4226	-0.15910
2.3640	36.35587	24.44563	0.00000	4.5821	3.4458	5.7306	-0.16814
2.8368	36.72525	24.74075	0.00000	4.8284	3.6310	6.0387	-0.17718
3.3096	37.09463	25.03588	0.00000	5.0747	3.8162	6.3467	-0.18622
3.7824	37.46400	25.33100	0.00000	5.3210	4.0014	6.6548	-0.19526

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.46400	25.33100	0.00000	5.3210	4.0014	-0.076211	6.6572
0.48725	37.75238	24.93825	0.00000	5.3180	3.9992	-0.076169	6.6536
0.97450	38.04075	24.54550	0.00000	5.3151	3.9971	-0.076128	6.6499
1.4618	38.32912	24.15275	0.00000	5.3122	3.9949	-0.076086	6.6463
1.9490	38.61750	23.76000	0.00000	5.3093	3.9927	-0.076045	6.6426
2.4363	38.90588	23.36725	0.00000	5.3064	3.9905	-0.076003	6.6390
2.9235	39.19425	22.97450	0.00000	5.3035	3.9883	-0.075961	6.6354
3.4108	39.48262	22.58175	0.00000	5.3006	3.9861	-0.075920	6.6317
3.8980	39.77100	22.18900	0.00000	5.2977	3.9839	-0.075878	6.6281

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	39.77100	22.18900	0.00000	5.2977	3.9839	-6.6268	0.15291
0.49935	39.37894	21.87975	0.00000	5.0375	3.7883	-6.3013	0.14540
0.99870	38.98687	21.57050	0.00000	4.7774	3.5926	-5.9759	0.13789
1.4980	38.59481	21.26125	0.00000	4.5172	3.3970	-5.6504	0.13038
1.9974	38.20275	20.95200	0.00000	4.2570	3.2013	-5.3250	0.12287
2.4967	37.81069	20.64275	0.00000	3.9968	3.0057	-4.9995	0.11536
2.9961	37.41862	20.33350	0.00000	3.7367	2.8100	-4.6741	0.10786
3.4954	37.02656	20.02425	0.00000	3.4765	2.6144	-4.3487	0.10035
3.9948	36.63450	19.71500	0.00000	3.2163	2.4187	-4.0232	0.092836
4.4941	36.24244	19.40575	0.00000	2.9561	2.2231	-3.6978	0.085326
4.9935	35.85038	19.09650	0.00000	2.6960	2.0274	-3.3723	0.077817
5.4928	35.45831	18.78725	0.00000	2.4929	1.8747	-3.1183	0.071956
5.9922	35.06625	18.47800	0.00000	2.3657	1.7791	-2.9593	0.068285
6.4915	34.67419	18.16875	0.00000	2.2386	1.6834	-2.8002	0.064614

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
6.9909	34.28213	17.85950	0.00000	2.1114	1.5878	-2.6411	0.060943
7.4902	33.89006	17.55025	0.00000	1.9842	1.4922	-2.4820	0.057272
7.9896	33.49800	17.24100	0.00000	1.8570	1.3965	-2.3229	0.053602

Structure: A | Sub-structure: A6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.49800	17.24100	0.00000	1.8570	1.3965	-0.045679	-2.3231
0.48914	33.19638	17.62608	0.00000	1.8546	1.3947	-0.045619	-2.3200
0.97828	32.89477	18.01115	0.00000	1.8521	1.3928	-0.045559	-2.3170
1.4674	32.59315	18.39623	0.00000	1.8497	1.3910	-0.045499	-2.3139
1.9566	32.29154	18.78131	0.00000	1.8472	1.3891	-0.045438	-2.3108
2.4457	31.98992	19.16638	0.00000	1.8448	1.3873	-0.045378	-2.3078
2.9348	31.68831	19.55146	0.00000	1.8423	1.3855	-0.045318	-2.3047
3.4240	31.38669	19.93654	0.00000	1.8399	1.3836	-0.045258	-2.3016
3.9131	31.08508	20.32162	0.00000	1.8374	1.3818	-0.045197	-2.2986
4.4022	30.78346	20.70669	0.00000	1.8350	1.3799	-0.045137	-2.2955
4.8914	30.48185	21.09177	0.00000	1.8325	1.3781	-0.045077	-2.2924
5.3805	30.18023	21.47685	0.00000	1.8301	1.3763	-0.045017	-2.2894
5.8697	29.87862	21.86192	0.00000	1.8276	1.3744	-0.044956	-2.2863
6.3588	29.57700	22.24700	0.00000	1.8252	1.3726	-0.044896	-2.2833

Structure: B | Sub-structure: B1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0
0.48720	20.90600	5.75000	0.00000	0.0	0.0	0.0	0.0
0.97440	21.29600	6.04200	0.00000	0.0	0.0	0.0	0.0
1.4616	21.68600	6.33400	0.00000	0.0	0.0	0.0	0.0
1.9488	22.07600	6.62600	0.00000	0.0	0.0	0.0	0.0
2.4360	22.46600	6.91800	0.00000	0.0	0.0	0.0	0.0
2.9232	22.85600	7.21000	0.00000	0.0	0.0	0.0	0.0
3.4104	23.24600	7.50200	0.00000	0.0	0.0	0.0	0.0
3.8976	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.63600	7.79400	0.00000	0.0	0.0	0.0	0.0
0.46125	23.35400	8.15900	0.00000	0.0	0.0	0.0	0.0
0.92249	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	23.07200	8.52400	0.00000	0.0	0.0	0.0	0.0
0.46917	23.44545	8.80800	0.00000	0.0	0.0	0.0	0.0
0.93835	23.81891	9.09200	0.00000	0.0	0.0	0.0	0.0
1.4075	24.19236	9.37600	0.00000	0.0	0.0	0.0	0.0
1.8767	24.56582	9.66000	0.00000	0.0	0.0	0.0	0.0
2.3459	24.93927	9.94400	0.00000	0.0	0.0	0.0	0.0
2.8150	25.31273	10.22800	0.00000	0.0	0.0	0.0	0.0
3.2842	25.68618	10.51200	0.00000	0.0	0.0	0.0	0.0
3.7534	26.05964	10.79600	0.00000	0.0	0.0	0.0	0.0
4.2226	26.43309	11.08000	0.00000	0.0	0.0	0.0	0.0
4.6917	26.80655	11.36400	0.00000	0.0	0.0	0.0	0.0
5.1609	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.18000	11.64800	0.00000	0.0	0.0	0.0	0.0
0.36061	27.39833	11.36100	0.00000	0.0	0.0	0.0	0.0
0.72122	27.61667	11.07400	0.00000	0.0	0.0	0.0	0.0
1.0818	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.83500	10.78700	0.00000	0.0	0.0	0.0	0.0
0.48959	28.22792	11.07908	0.00000	0.0	0.0	0.0	0.0
0.97918	28.62085	11.37115	0.00000	0.0	0.0	0.0	0.0
1.4688	29.01377	11.66323	0.00000	0.089982	0.067668	0.11258	626.18E-6
1.9584	29.40669	11.95531	0.00000	0.21470	0.16146	0.26864	0.0014941
2.4479	29.79962	12.24738	0.00000	0.33943	0.25525	0.42469	0.0023621
2.9375	30.19254	12.53946	0.00000	0.46415	0.34905	0.58074	0.0032300
3.4271	30.58546	12.83154	0.00000	0.58887	0.44284	0.73679	0.0040979
3.9167	30.97838	13.12362	0.00000	0.71359	0.53663	0.89284	0.0049659
4.4063	31.37131	13.41569	0.00000	0.83832	0.63043	1.0489	0.0058338
4.8959	31.76423	13.70777	0.00000	0.96304	0.72422	1.2049	0.0067018
5.3855	32.15715	13.99985	0.00000	1.0878	0.81801	1.3610	0.0075697
5.8751	32.55008	14.29192	0.00000	1.2125	0.91181	1.5170	0.0084376
6.3647	32.94300	14.58400	0.00000	1.3372	1.0056	1.6731	0.0093056

Structure: B | Sub-structure: B6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.94300	14.58400	0.00000	1.3372	1.0056	0.0081061	-1.6731
0.35614	32.73033	14.86967	0.00000	1.3376	1.0059	0.0081088	-1.6737
0.71227	32.51767	15.15533	0.00000	1.3381	1.0063	0.0081115	-1.6742
1.0684	32.30500	15.44100	0.00000	1.3385	1.0066	0.0081141	-1.6748

Structure: B | Sub-structure: B7

Dist.	Coordinates			Displacements

x [m]	y [m]	z [m]	x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	32.30500	15.44100	0.00000	1.3385	1.0066	1.6746	0.023764
0.36690	32.60133	15.65733	0.00000	1.4320	1.0769	1.7915	0.025423
0.73379	32.89767	15.87367	0.00000	1.5254	1.1472	1.9085	0.027082
1.1007	33.19400	16.09000	0.00000	1.6189	1.2174	2.0254	0.028741

Structure: B | Sub-structure: B8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	33.19400	16.09000	0.00000	1.6189	1.2174	586.50E-6	-2.0256
0.48246	32.90414	16.47568	0.00000	1.6189	1.2175	586.52E-6	-2.0256
0.96493	32.61427	16.86136	0.00000	1.6190	1.2175	586.53E-6	-2.0257
1.4474	32.32441	17.24705	0.00000	1.6190	1.2175	586.54E-6	-2.0257
1.9299	32.03455	17.63273	0.00000	1.6190	1.2175	586.56E-6	-2.0258
2.4123	31.74468	18.01841	0.00000	1.6191	1.2176	586.57E-6	-2.0258
2.8948	31.45482	18.40409	0.00000	1.6191	1.2176	586.58E-6	-2.0259
3.3772	31.16495	18.78977	0.00000	1.6192	1.2176	586.59E-6	-2.0259
3.8597	30.87509	19.17545	0.00000	1.6192	1.2177	586.61E-6	-2.0259
4.3422	30.58523	19.56114	0.00000	1.6192	1.2177	586.62E-6	-2.0260
4.8246	30.29536	19.94682	0.00000	1.6193	1.2177	586.63E-6	-2.0260
5.3071	30.00550	20.33250	0.00000	1.6193	1.2177	586.65E-6	-2.0261
5.7896	29.71564	20.71818	0.00000	1.6193	1.2178	586.66E-6	-2.0261
6.2720	29.42577	21.10386	0.00000	1.6194	1.2178	586.67E-6	-2.0262
6.7545	29.13591	21.48955	0.00000	1.6194	1.2178	586.68E-6	-2.0262
7.2370	28.84605	21.87523	0.00000	1.6194	1.2178	586.70E-6	-2.0263
7.7194	28.55618	22.26091	0.00000	1.6195	1.2179	586.71E-6	-2.0263
8.2019	28.26632	22.64659	0.00000	1.6122	1.1188	-0.074229	-1.9610
8.6843	27.97645	23.03227	0.00000	1.5985	1.0130	-0.15064	-1.8864
9.1668	27.68659	23.41795	0.00000	1.5786	0.90614	-0.22407	-1.8064
9.6493	27.39673	23.80364	0.00000	1.5525	0.80016	-0.29312	-1.7218
10.132	27.10686	24.18932	0.00000	1.5203	0.69669	-0.35648	-1.6339
10.614	26.81700	24.57500	0.00000	1.4821	0.59723	-0.41303	-1.5436

Structure: B | Sub-structure: B9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	26.81700	24.57500	0.00000	1.4821	0.59723	-1.5362	0.43996
0.43274	26.47567	24.30900	0.00000	1.3748	0.58452	-1.4437	0.38401
0.86548	26.13433	24.04300	0.00000	1.2673	0.56617	-1.3476	0.33243
1.2982	25.79300	23.77700	0.00000	1.1597	0.54281	-1.2484	0.28472
1.7310	25.45167	23.51100	0.00000	1.0520	0.51500	-1.1464	0.24044
2.1637	25.11033	23.24500	0.00000	0.94623	0.48044	-1.0417	0.20268
2.5964	24.76900	22.97900	0.00000	0.84455	0.43664	-0.93456	0.17473

Structure: B | Sub-structure: B10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	24.76900	22.97900	0.00000	0.84455	0.43664	0.15559	0.93793
0.43530	25.02950	22.63025	0.00000	0.87137	0.48213	0.13519	0.98664
0.87060	25.29000	22.28150	0.00000	0.89486	0.52766	0.11277	1.0327
1.3059	25.55050	21.93275	0.00000	0.91488	0.57273	0.088644	1.0757
1.7412	25.81100	21.58400	0.00000	0.93132	0.61678	0.063188	1.1153

Structure: B | Sub-structure: B11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	25.81100	21.58400	0.00000	0.93132	0.61678	-1.1138	0.084997
0.47915	25.43280	21.28980	0.00000	0.81211	0.54111	-0.97325	0.071532
0.95831	25.05460	20.99560	0.00000	0.69268	0.46412	-0.83171	0.058968
1.4375	24.67640	20.70140	0.00000	0.57304	0.38595	-0.68928	0.047212
1.9166	24.29820	20.40720	0.00000	0.45322	0.30672	-0.54606	0.036182
2.3958	23.92000	20.11300	0.00000	0.33323	0.22653	-0.40211	0.025807

Structure: B | Sub-structure: B12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	23.92000	20.11300	0.00000	0.33323	0.22653	0.025778	0.40211
0.47317	24.21050	19.73950	0.00000	0.34354	0.24475	0.017719	0.42144
0.94635	24.50100	19.36600	0.00000	0.35007	0.26076	0.0090915	0.43642

Structure: B | Sub-structure: B13

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	24.50100	19.36600	0.00000	0.35007	0.26076	-0.43647	0.0062170
0.45943	24.13650	19.08633	0.00000	0.23320	0.17382	-0.29082	0.0040467
0.91886	23.77200	18.80667	0.00000	0.11630	0.086747	-0.14508	0.0019738
1.3783	23.40750	18.52700	0.00000	0.0	0.0	0.0	0.0
1.8377	23.04300	18.24733	0.00000	0.0	0.0	0.0	0.0
2.2971	22.67850	17.96767	0.00000	0.0	0.0	0.0	0.0
2.7566	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates x [m]	y [m]	z [m]	x [mm]	y [mm]	Horizontal displacement along the Line [mm]	Horizontal displacement perpendicular to Line [mm]
0.0	22.31400	17.68800	0.00000	0.0	0.0	0.0	0.0
0.44350	22.04420	18.04000	0.00000	0.0	0.0	0.0	0.0
0.88701	21.77440	18.39200	0.00000	0.0	0.0	0.0	0.0
1.3305	21.50460	18.74400	0.00000	0.0	0.0	0.0	0.0
1.7740	21.23480	19.09600	0.00000	0.0	0.0	0.0	0.0
2.2175	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.96500	19.44800	0.00000	0.0	0.0	0.0	0.0
0.49138	20.57211	19.15289	0.00000	0.0	0.0	0.0	0.0
0.98276	20.17922	18.85778	0.00000	0.0	0.0	0.0	0.0
1.4741	19.78633	18.56267	0.00000	0.0	0.0	0.0	0.0
1.9655	19.39344	18.26756	0.00000	0.0	0.0	0.0	0.0
2.4569	19.00056	17.97244	0.00000	0.0	0.0	0.0	0.0
2.9483	18.60767	17.67733	0.00000	0.0	0.0	0.0	0.0
3.4396	18.21478	17.38222	0.00000	0.0	0.0	0.0	0.0
3.9310	17.82189	17.08711	0.00000	0.0	0.0	0.0	0.0
4.4224	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B16

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.42900	16.79200	0.00000	0.0	0.0	0.0	0.0
0.49346	17.71689	16.39122	0.00000	0.0	0.0	0.0	0.0
0.98692	18.00478	15.99044	0.00000	0.0	0.0	0.0	0.0
1.4804	18.29267	15.58967	0.00000	0.0	0.0	0.0	0.0
1.9738	18.58056	15.18889	0.00000	0.0	0.0	0.0	0.0
2.4673	18.86844	14.78811	0.00000	0.0	0.0	0.0	0.0
2.9608	19.15633	14.38733	0.00000	0.0	0.0	0.0	0.0
3.4542	19.44422	13.98656	0.00000	0.0	0.0	0.0	0.0
3.9477	19.73211	13.58578	0.00000	0.0	0.0	0.0	0.0
4.4411	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B17

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	20.02000	13.18500	0.00000	0.0	0.0	0.0	0.0
0.48838	19.64200	12.87575	0.00000	0.0	0.0	0.0	0.0
0.97677	19.26400	12.56650	0.00000	0.0	0.0	0.0	0.0
1.4652	18.88600	12.25725	0.00000	0.0	0.0	0.0	0.0
1.9535	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B18

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	18.50800	11.94800	0.00000	0.0	0.0	0.0	0.0
0.43983	18.77567	11.59900	0.00000	0.0	0.0	0.0	0.0
0.87965	19.04333	11.25000	0.00000	0.0	0.0	0.0	0.0
1.3195	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B19

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.31100	10.90100	0.00000	0.0	0.0	0.0	0.0
0.47300	18.93320	10.61640	0.00000	0.0	0.0	0.0	0.0
0.94600	18.55540	10.33180	0.00000	0.0	0.0	0.0	0.0
1.4190	18.17760	10.04720	0.00000	0.0	0.0	0.0	0.0
1.8920	17.79980	9.76260	0.00000	0.0	0.0	0.0	0.0
2.3650	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0

Structure: B | Sub-structure: B20

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	17.42200	9.47800	0.00000	0.0	0.0	0.0	0.0
0.46116	17.70327	9.11255	0.00000	0.0	0.0	0.0	0.0
0.92233	17.98455	8.74709	0.00000	0.0	0.0	0.0	0.0
1.3835	18.26582	8.38164	0.00000	0.0	0.0	0.0	0.0
1.8447	18.54709	8.01618	0.00000	0.0	0.0	0.0	0.0
2.3058	18.82836	7.65073	0.00000	0.0	0.0	0.0	0.0
2.7670	19.10964	7.28527	0.00000	0.0	0.0	0.0	0.0
3.2281	19.39091	6.91982	0.00000	0.0	0.0	0.0	0.0
3.6893	19.67218	6.55436	0.00000	0.0	0.0	0.0	0.0
4.1505	19.95345	6.18891	0.00000	0.0	0.0	0.0	0.0
4.6116	20.23473	5.82345	0.00000	0.0	0.0	0.0	0.0
5.0728	20.51600	5.45800	0.00000	0.0	0.0	0.0	0.0

Structure: C | Sub-structure: C1

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.28600	29.95000	0.00000	4.3589	-5.7962	-7.2513	0.11954
0.45629	36.00578	30.31011	0.00000	4.1655	-5.5390	-6.9296	0.11423
0.91259	35.72556	30.67022	0.00000	3.9771	-5.2885	-6.6162	0.10907
1.3689	35.44533	31.03033	0.00000	3.7935	-5.0444	-6.3108	0.10403
1.8252	35.16511	31.39044	0.00000	3.6145	-4.8063	-6.0129	0.099122
2.2815	34.88489	31.75056	0.00000	3.4397	-4.5740	-5.7223	0.094331
2.7378	34.60467	32.11067	0.00000	3.2691	-4.3471	-5.4384	0.089652
3.1941	34.32444	32.47078	0.00000	3.1024	-4.1254	-5.1610	0.085079
3.6504	34.04422	32.83089	0.00000	2.9393	-3.9085	-4.8897	0.080606
4.1066	33.76400	33.19100	0.00000	2.7796	-3.6961	-4.6240	0.076226

Structure: C | Sub-structure: C2

Dist.	Coordinates					Displacements	
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76400	33.19100	0.00000	2.7796	-3.6961	-0.15032	4.6222
0.48792	33.36471	32.91057	0.00000	2.7741	-3.6888	-0.15002	4.6131
0.97585	32.96543	32.63014	0.00000	2.7686	-3.6815	-0.14973	4.6039

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
1.4638	32.56614	32.34971	0.00000	2.7577	-3.4268	-0.28720	4.3892
1.9517	32.16686	32.06929	0.00000	2.7313	-3.0909	-0.45862	4.0992
2.4396	31.76757	31.78886	0.00000	2.6889	-2.7576	-0.61552	3.8020
2.9275	31.36829	31.50843	0.00000	2.6304	-2.4356	-0.75272	3.5050
3.4155	30.96900	31.22800	0.00000	2.5664	-2.1247	-0.87907	3.2138

Structure: C | Sub-structure: C3

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	30.96900	31.22800	0.00000	2.5664	-2.1247	-3.2138	-0.87879
0.48944	30.68767	31.62850	0.00000	2.4254	-2.0919	-3.1059	-0.78224
0.97887	30.40633	32.02900	0.00000	2.2833	-2.0374	-2.9797	-0.69732
1.4683	30.12500	32.42950	0.00000	2.1409	-1.9655	-2.8389	-0.62204
1.9577	29.84367	32.83000	0.00000	1.9983	-1.8794	-2.6865	-0.55485
2.4472	29.56233	33.23050	0.00000	1.8559	-1.7817	-2.5247	-0.49450
2.9366	29.28100	33.63100	0.00000	1.7137	-1.6742	-2.3551	-0.43995

Structure: C | Sub-structure: C4

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	29.28100	33.63100	0.00000	1.7137	-1.6742	0.36390	-2.3680
0.48464	29.66840	33.92220	0.00000	1.7429	-1.8332	0.29171	-2.5126
0.96928	30.05580	34.21340	0.00000	1.7647	-1.9904	0.21468	-2.6514
1.4539	30.44320	34.50460	0.00000	1.7787	-2.1433	0.13401	-2.7821
1.9386	30.83060	34.79580	0.00000	1.7847	-2.2893	0.051043	-2.9023
2.4232	31.21800	35.08700	0.00000	1.7842	-2.3726	654.96E-6	-2.9686

Structure: C | Sub-structure: C5

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	31.21800	35.08700	0.00000	1.7842	-2.3726	-1.2000	-2.7152
0.42208	31.42400	35.45540	0.00000	1.7313	-2.3022	-1.1644	-2.6347
0.84417	31.63000	35.82380	0.00000	1.6786	-2.2321	-1.1290	-2.5545
1.2663	31.83600	36.19220	0.00000	1.6261	-2.1623	-1.0936	-2.4746
1.6883	32.04200	36.56060	0.00000	1.5738	-2.0927	-1.0585	-2.3950
2.1104	32.24800	36.92900	0.00000	1.5217	-2.0234	-1.0234	-2.3157

Structure: C | Sub-structure: C6

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.24800	36.92900	0.00000	1.5217	-2.0234	0.026436	-2.5316
0.46414	32.62185	37.20408	0.00000	1.5231	-2.0254	0.026462	-2.5341
0.92829	32.99569	37.47915	0.00000	1.5246	-2.0274	0.026488	-2.5365
1.3924	33.36954	37.75423	0.00000	1.5261	-2.0293	0.026513	-2.5390
1.8566	33.74338	38.02931	0.00000	1.5276	-2.0313	0.026539	-2.5415
2.3207	34.11723	38.30438	0.00000	1.5291	-2.0333	0.026565	-2.5439
2.7849	34.49108	38.57946	0.00000	1.5305	-2.0352	0.026590	-2.5464
3.2490	34.86492	38.85454	0.00000	1.5320	-2.0372	0.026616	-2.5488
3.7131	35.23877	39.12962	0.00000	1.5335	-2.0392	0.026642	-2.5513
4.1773	35.61262	39.40469	0.00000	1.5350	-2.0411	0.026668	-2.5538
4.6414	35.98646	39.67977	0.00000	1.5365	-2.0431	0.026693	-2.5562
5.1056	36.36031	39.95485	0.00000	1.5379	-2.0451	0.026719	-2.5587
5.5697	36.73415	40.22992	0.00000	1.5394	-2.0470	0.026745	-2.5611
6.0339	37.10800	40.50500	0.00000	1.5409	-2.0490	0.026770	-2.5636

Structure: C | Sub-structure: C7

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.10800	40.50500	0.00000	1.5409	-2.0490	2.5636	0.025287
0.44342	37.37100	40.14800	0.00000	1.6769	-2.2298	2.7899	0.027519

Structure: C | Sub-structure: C8

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	37.37100	40.14800	0.00000	1.6769	-2.2298	0.028750	-2.7899
0.49716	37.77140	40.44270	0.00000	1.6785	-2.2319	0.028777	-2.7925
0.99432	38.17180	40.73740	0.00000	1.6801	-2.2341	0.028805	-2.7951
1.4915	38.57220	41.03210	0.00000	1.6816	-2.2362	0.028832	-2.7978
1.9886	38.97260	41.32680	0.00000	1.6832	-2.2383	0.028859	-2.8004
2.4858	39.37300	41.62150	0.00000	1.6848	-2.2404	0.028886	-2.8030
2.9830	39.77340	41.91620	0.00000	1.6864	-2.2425	0.028913	-2.8056
3.4801	40.17380	42.21090	0.00000	1.6880	-2.2446	0.028940	-2.8083
3.9773	40.57420	42.50560	0.00000	1.6895	-2.2467	0.028967	-2.8109
4.4744	40.97460	42.80030	0.00000	1.6911	-2.2488	0.028994	-2.8135
4.9716	41.37500	43.09500	0.00000	1.6927	-2.2509	0.029021	-2.8162

Structure: C | Sub-structure: C9

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	41.37500	43.09500	0.00000	1.6927	-2.2509	2.8162	0.029241
0.43642	41.63367	42.74350	0.00000	1.8281	-2.4309	3.0414	0.031580
0.87284	41.89233	42.39200	0.00000	1.9651	-2.6131	3.2694	0.033947
1.3093	42.15100	42.04050	0.00000	2.1039	-2.7977	3.5003	0.036344
1.7457	42.40967	41.68900	0.00000	2.2447	-2.9849	3.7345	0.038777
2.1821	42.66833	41.33750	0.00000	2.3877	-3.1750	3.9724	0.041246
2.6185	42.92700	40.98600	0.00000	2.5331	-3.3683	4.2143	0.043758

Structure: C | Sub-structure: C10

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the	Horizontal displacement perpendicular
0.0	42.92700	40.98600	0.00000	2.5331	-3.3683	-0.043335	4.2143
0.41162	42.59550	40.74200	0.00000	2.5316	-3.3664	-0.043311	4.2119
0.82323	42.26400	40.49800	0.00000	2.5302	-3.3645	-0.043287	4.2095

Structure: C | Sub-structure: C11

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	42.26400	40.49800	0.00000	2.5302	-3.3645	4.2095	0.044297
0.49410	42.55680	40.10000	0.00000	2.6979	-3.5875	4.4885	0.047232
0.98820	42.84960	39.70200	0.00000	2.8691	-3.8152	4.7734	0.050230
1.4823	43.14240	39.30400	0.00000	3.0443	-4.0481	5.0648	0.053297
1.9764	43.43520	38.90600	0.00000	3.2236	-4.2866	5.3631	0.056436
2.4705	43.72800	38.50800	0.00000	3.4074	-4.5310	5.6689	0.059654
2.9646	44.02080	38.11000	0.00000	3.5959	-4.7817	5.9826	0.062955
3.4587	44.31360	37.71200	0.00000	3.7895	-5.0391	6.3047	0.066344
3.9528	44.60640	37.31400	0.00000	3.9885	-5.3036	6.6356	0.069827
4.4469	44.89920	36.91600	0.00000	4.1930	-5.5756	6.9759	0.073408
4.9410	45.19200	36.51800	0.00000	4.4035	-5.8555	7.3261	0.077092

Structure: C | Sub-structure: C12

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	45.19200	36.51800	0.00000	4.4035	-5.8555	-0.068534	7.3261
0.48113	44.80478	36.23243	0.00000	4.4015	-5.8529	-0.068504	7.3229
0.96226	44.41757	35.94687	0.00000	4.3996	-5.8503	-0.068473	7.3197
1.4434	44.03035	35.66130	0.00000	4.3976	-5.8477	-0.068443	7.3164
1.9245	43.64313	35.37574	0.00000	4.3957	-5.8451	-0.068413	7.3132
2.4056	43.25591	35.09017	0.00000	4.3937	-5.8426	-0.068383	7.3100
2.8868	42.86870	34.80461	0.00000	4.3918	-5.8400	-0.068353	7.3067
3.3679	42.48148	34.51904	0.00000	4.3899	-5.8374	-0.068322	7.3035
3.8490	42.09426	34.23348	0.00000	4.3879	-5.8348	-0.068292	7.3003
4.3302	41.70704	33.94791	0.00000	4.3860	-5.8322	-0.068262	7.2971
4.8113	41.31983	33.66235	0.00000	4.3840	-5.8297	-0.068232	7.2938
5.2924	40.93261	33.37678	0.00000	4.3821	-5.8271	-0.068202	7.2906
5.7735	40.54539	33.09122	0.00000	4.3802	-5.8245	-0.068171	7.2874
6.2547	40.15817	32.80565	0.00000	4.3782	-5.8219	-0.068141	7.2842
6.7358	39.77096	32.52009	0.00000	4.3763	-5.8193	-0.068111	7.2809
7.2169	39.38374	32.23452	0.00000	4.3743	-5.8168	-0.068081	7.2777
7.6981	38.99652	31.94896	0.00000	4.3724	-5.8142	-0.068051	7.2745
8.1792	38.60930	31.66339	0.00000	4.3705	-5.8116	-0.068021	7.2713
8.6603	38.22209	31.37783	0.00000	4.3685	-5.8090	-0.067990	7.2680
9.1414	37.83487	31.09226	0.00000	4.3666	-5.8065	-0.067960	7.2648
9.6226	37.44765	30.80670	0.00000	4.3647	-5.8039	-0.067930	7.2616
10.104	37.06043	30.52113	0.00000	4.3627	-5.8013	-0.067900	7.2584
10.585	36.67322	30.23557	0.00000	4.3608	-5.7988	-0.067870	7.2552
11.066	36.28600	29.95000	0.00000	4.3589	-5.7962	-0.067840	7.2520

Structure: D | Sub-structure: D1

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	27.55900	34.85000	0.00000	1.0936	-1.0110	-1.4618	-0.28483
0.48439	27.27278	35.24078	0.00000	0.95615	-0.88737	-1.2809	-0.24703
0.96877	26.98656	35.63156	0.00000	0.81838	-0.75851	-1.0955	-0.21203
1.4532	26.70033	36.02233	0.00000	0.71775	-0.67481	-0.96852	-0.18030
1.9375	26.41411	36.41311	0.00000	0.62209	-0.59395	-0.84676	-0.15091
2.4219	26.12789	36.80389	0.00000	0.52664	-0.50998	-0.72262	-0.12352
2.9063	25.84167	37.19467	0.00000	0.43138	-0.42323	-0.59634	-0.097932
3.3907	25.55544	37.58544	0.00000	0.33630	-0.33395	-0.46814	-0.073977
3.8751	25.26922	37.97622	0.00000	0.24138	-0.24239	-0.33818	-0.051501
4.3595	24.98300	38.36700	0.00000	0.14660	-0.14876	-0.20663	-0.030367

Structure: D | Sub-structure: D2

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	24.98300	38.36700	0.00000	0.14660	-0.14876	-0.030332	0.20664
0.49046	24.58738	38.07712	0.00000	0.12668	-0.12211	-0.030011	0.17337
0.98091	24.19175	37.78725	0.00000	0.10349	-0.094647	-0.027541	0.13751
1.4714	23.79613	37.49737	0.00000	0.077062	-0.066776	-0.022695	0.099411
1.9618	23.40050	37.20750	0.00000	0.047420	-0.038880	-0.015272	0.059390
2.4523	23.00488	36.91763	0.00000	0.014604	-0.011314	-0.0050933	0.017758
2.9427	22.60925	36.62775	0.00000	0.0	0.0	0.0	0.0
3.4332	22.21363	36.33788	0.00000	0.0	0.0	0.0	0.0
3.9236	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D3

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	21.81800	36.04800	0.00000	0.0	0.0	0.0	0.0
0.47627	21.54300	36.43686	0.00000	0.0	0.0	0.0	0.0
0.95254	21.26800	36.82571	0.00000	0.0	0.0	0.0	0.0
1.4288	20.99300	37.21457	0.00000	0.0	0.0	0.0	0.0
1.9051	20.71800	37.60343	0.00000	0.0	0.0	0.0	0.0
2.3814	20.44300	37.99229	0.00000	0.0	0.0	0.0	0.0
2.8576	20.16800	38.38114	0.00000	0.0	0.0	0.0	0.0
3.3339	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	19.89300	38.77000	0.00000	0.0	0.0	0.0	0.0
0.48525	20.28585	39.05485	0.00000	0.0	0.0	0.0	0.0
0.97050	20.67870	39.33970	0.00000	0.0	0.0	0.0	0.0
1.4558	21.07155	39.62455	0.00000	0.0	0.0	0.0	0.0
1.9410	21.46439	39.90939	0.00000	0.0	0.0	0.0	0.0
2.4263	21.85724	40.19424	0.00000	0.0	0.0	0.0	0.0
2.9115	22.25009	40.47909	0.00000	0.0	0.0	0.0	0.0
3.3968	22.64294	40.76394	0.00000	0.0	0.0	0.0	0.0
3.8820	23.03579	41.04879	0.00000	0.0	0.0	0.0	0.0
4.3673	23.42864	41.33364	0.00000	0.0	0.0	0.0	0.0
4.8525	23.82148	41.61848	0.00000	0.0	0.0	0.0	0.0
5.3378	24.21433	41.90333	0.00000	0.0	0.0	0.0	0.0
5.8230	24.60718	42.18818	0.00000	0.0	0.0	0.0	0.0
6.3083	25.00003	42.47303	0.00000	0.0	0.0	0.0	0.0

Dist.	Coordinates			Displacements		
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
6.7935	25.39288	42.75788	0.00000	0.0	0.0	0.0	0.0
7.2788	25.78573	43.04273	0.00000	0.0	0.0	0.0	0.0
7.7640	26.17858	43.32758	0.00000	0.0	0.0	0.0	0.0
8.2493	26.57142	43.61242	0.00000	0.0	0.0	0.0	0.0
8.7345	26.96427	43.89727	0.00000	0.0	0.0	0.0	0.0
9.2198	27.35712	44.18212	0.00000	0.0	0.0	0.0	0.0
9.7050	27.74997	44.46697	0.00000	0.0	0.0	0.0	0.0
10.190	28.14282	44.75182	0.00000	0.0	0.0	0.0	0.0
10.676	28.53567	45.03667	0.00000	0.0	0.0	0.0	0.0
11.161	28.92852	45.32152	0.00000	0.0	0.0	0.0	0.0
11.646	29.32136	45.60636	0.00000	0.0	0.0	0.0	0.0
12.131	29.71421	45.89121	0.00000	0.0	0.0	0.0	0.0
12.617	30.10706	46.17606	0.00000	0.0	0.0	0.0	0.0
13.102	30.49991	46.46091	0.00000	0.0	0.0	0.0	0.0
13.587	30.89276	46.74576	0.00000	0.0	0.0	0.0	0.0
14.072	31.28561	47.03061	0.00000	0.0	0.0	0.0	0.0
14.558	31.67845	47.31545	0.00000	0.0	0.0	0.0	0.0
15.043	32.07130	47.60030	0.00000	0.0	0.0	0.0	0.0
15.528	32.46415	47.88515	0.00000	0.0	0.0	0.0	0.0
16.013	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	32.85700	48.17000	0.00000	0.0	0.0	0.0	0.0
0.44175	33.11971	47.81486	0.00000	0.0	0.0	0.0	0.0
0.88350	33.38243	47.45971	0.00000	0.0	0.0	0.0	0.0
1.3253	33.64514	47.10457	0.00000	0.0	0.0	0.0	0.0
1.7670	33.90786	46.74943	0.00000	0.0	0.0	0.0	0.0
2.2088	34.17057	46.39429	0.00000	0.020195	-0.026855	0.033600	265.13E-6
2.6505	34.43329	46.03914	0.00000	0.10482	-0.13939	0.17440	0.0013762
3.0923	34.69600	45.68400	0.00000	0.18945	-0.25192	0.31520	0.0024872

Structure: D | Sub-structure: D6

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	34.69600	45.68400	0.00000	0.18945	-0.25192	-0.0025265	0.31520
0.38681	34.38500	45.45400	0.00000	0.18886	-0.25113	-0.0025186	0.31421
0.77362	34.07400	45.22400	0.00000	0.18826	-0.25034	-0.0025106	0.31322
1.1604	33.76300	44.99400	0.00000	0.18767	-0.24955	-0.0025027	0.31223

Structure: D | Sub-structure: D7

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	33.76300	44.99400	0.00000	0.18767	-0.24955	0.31223	0.0030586
0.45636	34.03370	44.62660	0.00000	0.27509	-0.36581	0.45768	0.0044835
0.91271	34.30440	44.25920	0.00000	0.36252	-0.48206	0.60313	0.0059083
1.3691	34.57510	43.89180	0.00000	0.44994	-0.59831	0.74858	0.0073332
1.8254	34.84580	43.52440	0.00000	0.53737	-0.71456	0.89403	0.0087580
2.2818	35.11650	43.15700	0.00000	0.62479	-0.83081	1.0395	0.010183
2.7381	35.38720	42.78960	0.00000	0.71222	-0.94707	1.1849	0.011608
3.1945	35.65790	42.42220	0.00000	0.81920	-1.0893	1.3629	0.013351
3.6509	35.92860	42.05480	0.00000	0.95502	-1.2699	1.5889	0.015565
4.1072	36.19930	41.68740	0.00000	1.0911	-1.4509	1.8154	0.017783
4.5636	36.47000	41.32000	0.00000	1.2278	-1.6327	2.0427	0.020011

Structure: D | Sub-structure: D8

Dist.	Coordinates			Displacements			
	x	y	z	x	y	Horizontal displacement along the Line	Horizontal displacement perpendicular to Line
[m]	[m]	[m]	[m]	[mm]	[mm]	[mm]	[mm]
0.0	36.47000	41.32000	0.00000	1.2278	-1.6327	-0.034290	2.0425
0.47879	36.08257	41.03870	0.00000	1.2254	-1.6295	-0.034222	2.0385
0.95758	35.69513	40.75739	0.00000	1.2230	-1.6263	-0.034155	2.0345
1.4364	35.30770	40.47609	0.00000	1.2206	-1.6230	-0.034088	2.0305
1.9152	34.92026	40.19478	0.00000	1.2182	-1.6198	-0.034020	2.0265
2.3939	34.53283	39.91348	0.00000	1.2157	-1.6166	-0.033953	2.0225
2.8727	34.14539	39.63217	0.00000	1.2133	-1.6134	-0.033886	2.0185
3.3515	33.75796	39.35087	0.00000	1.2109	-1.6102	-0.033818	2.0144
3.8303	33.37052	39.06957	0.00000	1.2085	-1.6070	-0.033751	2.0104
4.3091	32.98309	38.78826	0.00000	1.2061	-1.6038	-0.033683	2.0064
4.7879	32.59565	38.50696	0.00000	1.2037	-1.6006	-0.033616	2.0024
5.2667	32.20822	38.22565	0.00000	1.2013	-1.5974	-0.033549	1.9984
5.7455	31.82078	37.94435	0.00000	1.1989	-1.5942	-0.033482	1.9944
6.2242	31.43335	37.66304	0.00000	1.1965	-1.5910	-0.033414	1.9904
6.7030	31.04591	37.38174	0.00000	1.1940	-1.5878	-0.033347	1.9864
7.1818	30.65848	37.10043	0.00000	1.1916	-1.5846	-0.033280	1.9824
7.6606	30.27104	36.81913	0.00000	1.1892	-1.5814	-0.033212	1.9784
8.1394	29.88361	36.53783	0.00000	1.1868	-1.5780	-0.033262	1.9742
8.6182	29.49617	36.25652	0.00000	1.1867	-1.4957	-0.081480	1.9075
9.0970	29.10874	35.97522	0.00000	1.1801	-1.4066	-0.12853	1.8316
9.5758	28.72130	35.69391	0.00000	1.1674	-1.3122	-0.17367	1.7477
10.055	28.33387	35.41261	0.00000	1.1485	-1.2139	-0.21620	1.6571
10.533	27.94643	35.13130	0.00000	1.1239	-1.1131	-0.25547	1.5610
11.012	27.55900	34.85000	0.00000	1.0936	-1.0110	-0.29091	1.4606

Specific Building Damage Results - Vertical Displacements

Structure: A | Sub-structure: A1

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	29.57700	22.24700	0.00000	0.89047
0.47829	29.95067	22.54556	0.00000	1.0388
0.95658	30.32433	22.84411	0.00000	1.1956
1.4349	30.69800	23.14267	0.00000	1.3585
1.9132	31.07167	23.44122	0.00000	1.5246
2.3915	31.44533	23.73978	0.00000	1.6906
2.8697	31.81900	24.03833	0.00000	1.8551
3.3480	32.19267	24.33689	0.00000	2.0328
3.8263	32.56633	24.63544	0.00000	2.1985
4.3046	32.94000	24.93400	0.00000	2.3595

Structure: A | Sub-structure: A2

Dist.	Coordinates			Displacements
	x	y	z	z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.94000	24.93400	0.00000	2.3595

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
0.41896	33.20150	24.60667	0.00000	2.3636
0.83792	33.46300	24.27933	0.00000	2.3677
1.2569	33.72450	23.95200	0.00000	2.3718
1.6758	33.98600	23.62467	0.00000	2.3759
2.0948	34.24750	23.29733	0.00000	2.3800
2.5138	34.50900	22.97000	0.00000	2.3841

Structure: A | Sub-structure: A3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.50900	22.97000	0.00000	2.3841
0.47280	34.87837	23.26512	0.00000	2.5430
0.94559	35.24775	23.56025	0.00000	2.7029
1.4184	35.61713	23.85537	0.00000	2.8622
1.8912	35.98650	24.15050	0.00000	3.0164
2.3640	36.35587	24.44563	0.00000	3.1584
2.8368	36.72525	24.74075	0.00000	3.2784
3.3096	37.09463	25.03588	0.00000	3.3637
3.7824	37.46400	25.33100	0.00000	3.3989

Structure: A | Sub-structure: A4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	37.46400	25.33100	0.00000	3.3989
0.48725	37.75238	24.93825	0.00000	3.3988
0.97450	38.04075	24.54550	0.00000	3.3987
1.4618	38.32912	24.15275	0.00000	3.3987
1.9490	38.61750	23.76000	0.00000	3.3986
2.4363	38.90588	23.36725	0.00000	3.3985
2.9235	39.19425	22.97450	0.00000	3.3984
3.4108	39.48262	22.58175	0.00000	3.3983
3.8980	39.77100	22.18900	0.00000	3.3982

Structure: A | Sub-structure: A5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	39.77100	22.18900	0.00000	3.3982
0.49935	39.37894	21.87975	0.00000	3.3536
0.99870	38.98687	21.57050	0.00000	3.2560
1.4980	38.59481	21.26125	0.00000	3.1227
1.9974	38.20275	20.95200	0.00000	2.9680
2.4967	37.81069	20.64275	0.00000	2.8026
2.9961	37.41862	20.33350	0.00000	2.6337
3.4954	37.02656	20.02425	0.00000	2.4652
3.9948	36.63450	19.71500	0.00000	2.2977
4.4941	36.24244	19.40575	0.00000	2.1283
4.9935	35.85038	19.09650	0.00000	1.9507
5.4928	35.45831	18.78725	0.00000	1.7695
5.9922	35.06625	18.47800	0.00000	1.5976
6.4915	34.67419	18.16875	0.00000	1.4238
6.9909	34.28213	17.85950	0.00000	1.2521
7.4902	33.89006	17.55025	0.00000	1.0859
7.9896	33.49800	17.24100	0.00000	0.92831

Structure: A | Sub-structure: A6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	33.49800	17.24100	0.00000	0.92831
0.48914	33.19638	17.62608	0.00000	0.92537
0.97828	32.89477	18.01115	0.00000	0.92244
1.4674	32.59315	18.39623	0.00000	0.91952
1.9566	32.29154	18.78131	0.00000	0.91659
2.4457	31.98992	19.16638	0.00000	0.91367
2.9348	31.68831	19.55146	0.00000	0.91076
3.4240	31.38669	19.93654	0.00000	0.90785
3.9131	31.08508	20.32162	0.00000	0.90494
4.4022	30.78346	20.70669	0.00000	0.90204
4.8914	30.48185	21.09177	0.00000	0.89914
5.3805	30.18023	21.47685	0.00000	0.89625
5.8697	29.87862	21.86192	0.00000	0.89336
6.3588	29.57700	22.24700	0.00000	0.89047

Structure: B | Sub-structure: B1

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.51600	5.45800	0.00000	0.0
0.48720	20.90600	5.75000	0.00000	0.0
0.97440	21.29600	6.04200	0.00000	0.0
1.4616	21.68600	6.33400	0.00000	0.0
1.9488	22.07600	6.62600	0.00000	0.0
2.4360	22.46600	6.91800	0.00000	0.0
2.9232	22.85600	7.21000	0.00000	0.0
3.4104	23.24600	7.50200	0.00000	0.0
3.8976	23.63600	7.79400	0.00000	0.0

Structure: B | Sub-structure: B2

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.63600	7.79400	0.00000	0.0
0.46125	23.35400	8.15900	0.00000	0.0
0.92249	23.07200	8.52400	0.00000	0.0

Structure: B | Sub-structure: B3

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.07200	8.52400	0.00000	0.0
0.46917	23.44545	8.80800	0.00000	0.0
0.93835	23.81891	9.09200	0.00000	0.0
1.4075	24.19236	9.37600	0.00000	0.0
1.8767	24.56582	9.66000	0.00000	0.0
2.3459	24.93927	9.94400	0.00000	0.0
2.8150	25.31273	10.22800	0.00000	0.0
3.2842	25.68618	10.51200	0.00000	0.0
3.7534	26.05964	10.79600	0.00000	0.0

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
4.2226	26.43309	11.08000	0.00000	0.0
4.6917	26.80655	11.36400	0.00000	0.0
5.1609	27.18000	11.64800	0.00000	0.0

Structure: B | Sub-structure: B4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.18000	11.64800	0.00000	0.0
0.36061	27.39833	11.36100	0.00000	0.0
0.72122	27.61667	11.07400	0.00000	0.0
1.0818	27.83500	10.78700	0.00000	0.0

Structure: B | Sub-structure: B5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	27.83500	10.78700	0.00000	0.0
0.48959	28.22792	11.07908	0.00000	0.0
0.97918	28.62085	11.37115	0.00000	0.0
1.4688	29.01377	11.66323	0.00000	0.023478
1.9584	29.40669	11.95531	0.00000	0.044447
2.4479	29.79962	12.24738	0.00000	0.060795
2.9375	30.19254	12.53946	0.00000	0.076623
3.4271	30.58546	12.83154	0.00000	0.095542
3.9167	30.97838	13.12362	0.00000	0.12068
4.4063	31.37131	13.41569	0.00000	0.15469
4.8959	31.76423	13.70777	0.00000	0.19972
5.3855	32.15715	13.99985	0.00000	0.25745
5.8751	32.55008	14.29192	0.00000	0.32907
6.3647	32.94300	14.58400	0.00000	0.41530

Structure: B | Sub-structure: B6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.94300	14.58400	0.00000	0.41530
0.35614	32.73033	14.86967	0.00000	0.41563
0.71227	32.51767	15.15533	0.00000	0.41596
1.0684	32.30500	15.44100	0.00000	0.41629

Structure: B | Sub-structure: B7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.30500	15.44100	0.00000	0.41629
0.36690	32.60133	15.65733	0.00000	0.49073
0.73379	32.89767	15.87367	0.00000	0.57343
1.1007	33.19400	16.09000	0.00000	0.66412

Structure: B | Sub-structure: B8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	33.19400	16.09000	0.00000	0.66412
0.48246	32.90414	16.47568	0.00000	0.66416
0.96493	32.61427	16.86136	0.00000	0.66420
1.4474	32.32441	17.24705	0.00000	0.66423
1.9299	32.03455	17.63273	0.00000	0.66427
2.4123	31.74468	18.01841	0.00000	0.66430
2.8948	31.45482	18.40409	0.00000	0.66434
3.3772	31.16495	18.78977	0.00000	0.66438
3.8597	30.87509	19.17545	0.00000	0.66441
4.3422	30.58523	19.56114	0.00000	0.66445
4.8246	30.29536	19.94682	0.00000	0.66448
5.3071	30.00550	20.33250	0.00000	0.66452
5.7896	29.71564	20.71818	0.00000	0.66456
6.2720	29.42577	21.10386	0.00000	0.66459
6.7545	29.13591	21.48955	0.00000	0.66463
7.2370	28.84605	21.87523	0.00000	0.66466
7.7194	28.55618	22.26091	0.00000	0.66470
8.2019	28.26632	22.64659	0.00000	0.70068
8.6843	27.97645	23.03227	0.00000	0.73147
9.1668	27.68659	23.41795	0.00000	0.75505
9.6493	27.39673	23.80364	0.00000	0.77117
10.132	27.10686	24.18932	0.00000	0.77974
10.614	26.81700	24.57500	0.00000	0.78088

Structure: B | Sub-structure: B9

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	26.81700	24.57500	0.00000	0.78088
0.43274	26.47567	24.30900	0.00000	0.66551
0.86548	26.13433	24.04300	0.00000	0.56226
1.2982	25.79300	23.77700	0.00000	0.47112
1.7310	25.45167	23.51100	0.00000	0.39184
2.1637	25.11033	23.24500	0.00000	0.32391
2.5964	24.76900	22.97900	0.00000	0.26657

Structure: B | Sub-structure: B10

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.76900	22.97900	0.00000	0.26657
0.43530	25.02950	22.63025	0.00000	0.26186
0.87060	25.29000	22.28150	0.00000	0.25487
1.3059	25.55050	21.93275	0.00000	0.24563
1.7412	25.81100	21.58400	0.00000	0.23419

Structure: B | Sub-structure: B11

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	25.81100	21.58400	0.00000	0.23419
0.47915	25.43280	21.28980	0.00000	0.18491
0.95831	25.05460	20.99560	0.00000	0.14641

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
1.4375	24.67640	20.70140	0.00000	0.11661
1.9166	24.29820	20.40720	0.00000	0.092987
2.3958	23.92000	20.11300	0.00000	0.072572

Structure: B | Sub-structure: B12

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	23.92000	20.11300	0.00000	0.072572
0.47317	24.21050	19.73950	0.00000	0.068390
0.94635	24.50100	19.36600	0.00000	0.063414

Structure: B | Sub-structure: B13

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	24.50100	19.36600	0.00000	0.063414
0.45943	24.13650	19.08633	0.00000	0.047867
0.91886	23.77200	18.80667	0.00000	0.028887
1.3783	23.40750	18.52700	0.00000	0.0
1.8377	23.04300	18.24733	0.00000	0.0
2.2971	22.67850	17.96767	0.00000	0.0
2.7566	22.31400	17.68800	0.00000	0.0

Structure: B | Sub-structure: B14

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	22.31400	17.68800	0.00000	0.0
0.44350	22.04420	18.04000	0.00000	0.0
0.88701	21.77440	18.39200	0.00000	0.0
1.3305	21.50460	18.74400	0.00000	0.0
1.7740	21.23480	19.09600	0.00000	0.0
2.2175	20.96500	19.44800	0.00000	0.0

Structure: B | Sub-structure: B15

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.96500	19.44800	0.00000	0.0
0.49138	20.57211	19.15289	0.00000	0.0
0.98276	20.17922	18.85778	0.00000	0.0
1.4741	19.78633	18.56267	0.00000	0.0
1.9655	19.39344	18.26756	0.00000	0.0
2.4569	19.00056	17.97244	0.00000	0.0
2.9483	18.60767	17.67733	0.00000	0.0
3.4396	18.21478	17.38222	0.00000	0.0
3.9310	17.82189	17.08711	0.00000	0.0
4.4224	17.42900	16.79200	0.00000	0.0

Structure: B | Sub-structure: B16

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.42900	16.79200	0.00000	0.0
0.49346	17.71689	16.39122	0.00000	0.0
0.98692	18.00478	15.99044	0.00000	0.0
1.4804	18.29267	15.58967	0.00000	0.0
1.9738	18.58056	15.18889	0.00000	0.0
2.4673	18.86844	14.78811	0.00000	0.0
2.9608	19.15633	14.38733	0.00000	0.0
3.4542	19.44422	13.98656	0.00000	0.0
3.9477	19.73211	13.58578	0.00000	0.0
4.4411	20.02000	13.18500	0.00000	0.0

Structure: B | Sub-structure: B17

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	20.02000	13.18500	0.00000	0.0
0.48838	19.64200	12.87575	0.00000	0.0
0.97677	19.26400	12.56650	0.00000	0.0
1.4652	18.88600	12.25725	0.00000	0.0
1.9535	18.50800	11.94800	0.00000	0.0

Structure: B | Sub-structure: B18

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	18.50800	11.94800	0.00000	0.0
0.43983	18.77567	11.59900	0.00000	0.0
0.87965	19.04333	11.25000	0.00000	0.0
1.3195	19.31100	10.90100	0.00000	0.0

Structure: B | Sub-structure: B19

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.31100	10.90100	0.00000	0.0
0.47300	18.93320	10.61640	0.00000	0.0
0.94600	18.55540	10.33180	0.00000	0.0
1.4190	18.17760	10.04720	0.00000	0.0
1.8920	17.79980	9.76260	0.00000	0.0
2.3650	17.42200	9.47800	0.00000	0.0

Structure: B | Sub-structure: B20

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	17.42200	9.47800	0.00000	0.0
0.46116	17.70327	9.11255	0.00000	0.0
0.92233	17.98455	8.74709	0.00000	0.0
1.3835	18.26582	8.38164	0.00000	0.0

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
1.8447	18.54709	8.01618	0.00000	0.0
2.3058	18.82836	7.65073	0.00000	0.0
2.7670	19.10964	7.28527	0.00000	0.0
3.2281	19.39091	6.91982	0.00000	0.0
3.6893	19.67218	6.55436	0.00000	0.0
4.1505	19.95345	6.18891	0.00000	0.0
4.6116	20.23473	5.82345	0.00000	0.0
5.0728	20.51600	5.45800	0.00000	0.0

Structure: C | Sub-structure: C1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	36.28600	29.95000	0.00000	5.1389
0.45629	36.00578	30.31011	0.00000	5.1822
0.91259	35.72556	30.67022	0.00000	5.1698
1.3689	35.44533	31.03033	0.00000	5.1087
1.8252	35.16511	31.39044	0.00000	5.0054
2.2815	34.88489	31.75056	0.00000	4.8660
2.7378	34.60467	32.11067	0.00000	4.6965
3.1941	34.32444	32.47078	0.00000	4.5021
3.6504	34.04422	32.83089	0.00000	4.2879
4.1066	33.76400	33.19100	0.00000	4.0587

Structure: C | Sub-structure: C2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	33.76400	33.19100	0.00000	4.0587
0.48792	33.36471	32.91057	0.00000	4.0505
0.97585	32.96543	32.63014	0.00000	4.0423
1.4638	32.56614	32.34971	0.00000	3.9410
1.9517	32.16686	32.06929	0.00000	3.7951
2.4396	31.76757	31.78886	0.00000	3.6333
2.9275	31.36829	31.50843	0.00000	3.4579
3.4155	30.96900	31.22800	0.00000	3.2736

Structure: C | Sub-structure: C3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	30.96900	31.22800	0.00000	3.2736
0.48944	30.68767	31.62850	0.00000	3.0876
0.97887	30.40633	32.02900	0.00000	2.8889
1.4683	30.12500	32.42950	0.00000	2.6822
1.9577	29.84367	32.83000	0.00000	2.4719
2.4472	29.56233	33.23050	0.00000	2.2619
2.9366	29.28100	33.63100	0.00000	2.0553

Structure: C | Sub-structure: C4

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	29.28100	33.63100	0.00000	2.0553
0.48464	29.66840	33.92220	0.00000	2.1548
0.96928	30.05580	34.21340	0.00000	2.2450
1.4539	30.44320	34.50460	0.00000	2.3245
1.9386	30.83060	34.79580	0.00000	2.3918
2.4232	31.21800	35.08700	0.00000	2.4259

Structure: C | Sub-structure: C5

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	31.21800	35.08700	0.00000	2.4259
0.42208	31.42400	35.45540	0.00000	2.3398
0.84417	31.63000	35.82380	0.00000	2.2549
1.2663	31.83600	36.19220	0.00000	2.1714
1.6883	32.04200	36.56060	0.00000	2.0895
2.1104	32.24800	36.92900	0.00000	2.0090

Structure: C | Sub-structure: C6

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	32.24800	36.92900	0.00000	2.0090
0.46414	32.62185	37.20408	0.00000	2.0113
0.92829	32.99569	37.47915	0.00000	2.0136
1.3924	33.36954	37.75423	0.00000	2.0158
1.8566	33.74338	38.02931	0.00000	2.0181
2.3207	34.11723	38.30438	0.00000	2.0204
2.7849	34.49108	38.57946	0.00000	2.0226
3.2490	34.86492	38.85454	0.00000	2.0249
3.7131	35.23877	39.12962	0.00000	2.0272
4.1773	35.61262	39.40469	0.00000	2.0295
4.6414	35.98646	39.67977	0.00000	2.0317
5.1056	36.36031	39.95485	0.00000	2.0340
5.5697	36.73415	40.22992	0.00000	2.0363
6.0339	37.10800	40.50500	0.00000	2.0386

Structure: C | Sub-structure: C7

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.10800	40.50500	0.00000	2.0386
0.44342	37.37100	40.14800	0.00000	2.2522

Structure: C | Sub-structure: C8

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	37.37100	40.14800	0.00000	2.2522
0.49716	37.77140	40.44270	0.00000	2.2547
0.99432	38.17180	40.73740	0.00000	2.2573
1.4915	38.57220	41.03210	0.00000	2.2598
1.9886	38.97260	41.32680	0.00000	2.2623
2.4858	39.37300	41.62150	0.00000	2.2648

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
2.9830	39.77340	41.91620	0.00000	2.2674
3.4801	40.17380	42.21090	0.00000	2.2699
3.9773	40.57420	42.50560	0.00000	2.2724
4.4744	40.97460	42.80030	0.00000	2.2750
4.9716	41.37500	43.09500	0.00000	2.2775

Structure: C | Sub-structure: C9

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	41.37500	43.09500	0.00000	2.2775
0.43642	41.63367	42.74350	0.00000	2.4981
0.87284	41.89233	42.39200	0.00000	2.7262
1.3093	42.15100	42.04050	0.00000	2.9602
1.7457	42.40967	41.68900	0.00000	3.1981
2.1821	42.66833	41.33750	0.00000	3.4373
2.6185	42.92700	40.98600	0.00000	3.6754

Structure: C | Sub-structure: C10

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	42.92700	40.98600	0.00000	3.6754
0.41162	42.59550	40.74200	0.00000	3.6731
0.82323	42.26400	40.49800	0.00000	3.6708

Structure: C | Sub-structure: C11

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	42.26400	40.49800	0.00000	3.6708
0.49410	42.55680	40.10000	0.00000	3.9351
0.98820	42.84960	39.70200	0.00000	4.1894
1.4823	43.14240	39.30400	0.00000	4.4283
1.9764	43.43520	38.90600	0.00000	4.6461
2.4705	43.72800	38.50800	0.00000	4.8363
2.9646	44.02080	38.11000	0.00000	4.9924
3.4587	44.31360	37.71200	0.00000	5.1069
3.9528	44.60640	37.31400	0.00000	5.1720
4.4469	44.89920	36.91600	0.00000	5.1795
4.9410	45.19200	36.51800	0.00000	5.1206

Structure: C | Sub-structure: C12

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	45.19200	36.51800	0.00000	5.1206
0.48113	44.80478	36.23243	0.00000	5.1215
0.96226	44.41757	35.94687	0.00000	5.1223
1.4434	44.03035	35.66130	0.00000	5.1232
1.9245	43.64313	35.37574	0.00000	5.1240
2.4056	43.25591	35.09017	0.00000	5.1249
2.8868	42.86870	34.80461	0.00000	5.1257
3.3679	42.48148	34.51904	0.00000	5.1265
3.8490	42.09426	34.23348	0.00000	5.1274
4.3302	41.70704	33.94791	0.00000	5.1282
4.8113	41.31983	33.66235	0.00000	5.1290
5.2924	40.93261	33.37678	0.00000	5.1298
5.7735	40.54539	33.09122	0.00000	5.1306
6.2547	40.15817	32.80565	0.00000	5.1314
6.7358	39.77096	32.52009	0.00000	5.1322
7.2169	39.38374	32.23452	0.00000	5.1329
7.6981	38.99652	31.94896	0.00000	5.1337
8.1792	38.60930	31.66339	0.00000	5.1345
8.6603	38.22209	31.37783	0.00000	5.1352
9.1414	37.83487	31.09226	0.00000	5.1360
9.6226	37.44765	30.80670	0.00000	5.1367
10.104	37.06043	30.52113	0.00000	5.1375
10.585	36.67322	30.23557	0.00000	5.1382
11.066	36.28600	29.95000	0.00000	5.1389

Structure: D | Sub-structure: D1

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	27.55900	34.85000	0.00000	1.1938
0.48439	27.27278	35.24078	0.00000	1.0480
0.96877	26.98656	35.63156	0.00000	0.91298
1.4532	26.70033	36.02233	0.00000	0.78823
1.9375	26.41411	36.41311	0.00000	0.67284
2.4219	26.12789	36.80389	0.00000	0.56539
2.9063	25.84167	37.19467	0.00000	0.46401
3.3907	25.55544	37.58544	0.00000	0.36632
3.8751	25.26922	37.97622	0.00000	0.26953
4.3595	24.98300	38.36700	0.00000	0.17032

Structure: D | Sub-structure: D2

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	24.98300	38.36700	0.00000	0.17032
0.49046	24.58738	38.07712	0.00000	0.14527
0.98091	24.19175	37.78725	0.00000	0.11761
1.4714	23.79613	37.49737	0.00000	0.087370
1.9618	23.40050	37.20750	0.00000	0.054462
2.4523	23.00488	36.91763	0.00000	0.018718
2.9427	22.60925	36.62775	0.00000	0.0
3.4332	22.21363	36.33788	0.00000	0.0
3.9236	21.81800	36.04800	0.00000	0.0

Structure: D | Sub-structure: D3

Dist.	Coordinates x [m]	y [m]	z [m]	Displacements z [mm]
Vertical Offset 1				
0.0	21.81800	36.04800	0.00000	0.0
0.47627	21.54300	36.43686	0.00000	0.0
0.95254	21.26800	36.82571	0.00000	0.0
1.4288	20.99300	37.21457	0.00000	0.0
1.9051	20.71800	37.60343	0.00000	0.0
2.3814	20.44300	37.99229	0.00000	0.0
2.8576	20.16800	38.38114	0.00000	0.0

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
3.3339	19.89300	38.77000	0.00000	0.0

Structure: D | Sub-structure: D4

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	19.89300	38.77000	0.00000	0.0
0.48525	20.28585	39.05485	0.00000	0.0
0.97050	20.67870	39.33970	0.00000	0.0
1.4558	21.07155	39.62455	0.00000	0.0
1.9410	21.46439	39.90939	0.00000	0.0
2.4263	21.85724	40.19424	0.00000	0.0
2.9115	22.25009	40.47909	0.00000	0.0
3.3968	22.64294	40.76394	0.00000	0.0
3.8820	23.03579	41.04879	0.00000	0.0
4.3673	23.42864	41.33364	0.00000	0.0
4.8525	23.82148	41.61848	0.00000	0.0
5.3378	24.21433	41.90333	0.00000	0.0
5.8230	24.60718	42.18818	0.00000	0.0
6.3083	25.00003	42.47303	0.00000	0.0
6.7935	25.39288	42.75788	0.00000	0.0
7.2788	25.78573	43.04273	0.00000	0.0
7.7640	26.17858	43.32758	0.00000	0.0
8.2493	26.57142	43.61242	0.00000	0.0
8.7345	26.96427	43.89727	0.00000	0.0
9.2198	27.35712	44.18212	0.00000	0.0
9.7050	27.74997	44.46697	0.00000	0.0
10.190	28.14282	44.75182	0.00000	0.0
10.676	28.53567	45.03667	0.00000	0.0
11.161	28.92852	45.32152	0.00000	0.0
11.646	29.32136	45.60636	0.00000	0.0
12.131	29.71421	45.89121	0.00000	0.0
12.617	30.10706	46.17606	0.00000	0.0
13.102	30.49991	46.46091	0.00000	0.0
13.587	30.89276	46.74576	0.00000	0.0
14.072	31.28561	47.03061	0.00000	0.0
14.558	31.67845	47.31545	0.00000	0.0
15.043	32.07130	47.60030	0.00000	0.0
15.528	32.46415	47.88515	0.00000	0.0
16.013	32.85700	48.17000	0.00000	0.0

Structure: D | Sub-structure: D5

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	32.85700	48.17000	0.00000	0.0
0.44175	33.11971	47.81486	0.00000	0.0
0.88350	33.38243	47.45971	0.00000	0.0
1.3253	33.64514	47.10457	0.00000	0.0
1.7670	33.90786	46.74943	0.00000	0.0
2.2088	34.17057	46.39429	0.00000	0.030748
2.6505	34.43329	46.03914	0.00000	0.14205
3.0923	34.69600	45.68400	0.00000	0.24739

Structure: D | Sub-structure: D6

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	34.69600	45.68400	0.00000	0.24739
0.38681	34.38500	45.45400	0.00000	0.24667
0.77362	34.07400	45.22400	0.00000	0.24594
1.1604	33.76300	44.99400	0.00000	0.24521

Structure: D | Sub-structure: D7

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	33.76300	44.99400	0.00000	0.24521
0.45636	34.03370	44.62660	0.00000	0.35124
0.91271	34.30440	44.25920	0.00000	0.45752
1.3691	34.57510	43.89180	0.00000	0.56691
1.8254	34.84580	43.52440	0.00000	0.68190
2.2818	35.11650	43.15700	0.00000	0.80460
2.7381	35.38720	42.78960	0.00000	0.93679
3.1945	35.65790	42.42220	0.00000	1.0799
3.6509	35.92860	42.05480	0.00000	1.2348
4.1072	36.19930	41.68740	0.00000	1.4024
4.5636	36.47000	41.32000	0.00000	1.5828

Structure: D | Sub-structure: D8

Dist.	Coordinates x	y	z	Displacements z
[m]	[m]	[m]	[m]	[mm]
Vertical Offset 1				
0.0	36.47000	41.32000	0.00000	1.5828
0.47879	36.08257	41.03870	0.00000	1.5795
0.95758	35.69513	40.75739	0.00000	1.5762
1.4364	35.30770	40.47609	0.00000	1.5729
1.9152	34.92026	40.19478	0.00000	1.5696
2.3939	34.53283	39.91348	0.00000	1.5664
2.8727	34.14539	39.63217	0.00000	1.5631
3.3515	33.75796	39.35087	0.00000	1.5598
3.8303	33.37052	39.06957	0.00000	1.5566
4.3091	32.98309	38.78826	0.00000	1.5533
4.7879	32.59565	38.50696	0.00000	1.5501
5.2667	32.20822	38.22565	0.00000	1.5468
5.7455	31.82078	37.94435	0.00000	1.5436
6.2242	31.43335	37.66304	0.00000	1.5403
6.7030	31.04591	37.38174	0.00000	1.5371
7.1818	30.65848	37.10043	0.00000	1.5339
7.6606	30.27104	36.81913	0.00000	1.5306
8.1394	29.88361	36.53783	0.00000	1.5273
8.6182	29.49617	36.25652	0.00000	1.4888
9.0970	29.10874	35.97522	0.00000	1.4424
9.5758	28.72130	35.69391	0.00000	1.3888
10.055	28.33387	35.41261	0.00000	1.3289
10.533	27.94643	35.13130	0.00000	1.2636
11.012	27.55900	34.85000	0.00000	1.1938

Specific Building Damage Results - All Segments

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category

		[m]	[m]	[%]	[%]	[%]			[m]	
0.0	1	0.0	3.0866	Hogging	606.90E-6	0.034544	0.034780	-651.10E-6	-371.32E-6	25067.	0 (Negligible)
	2	3.0866	1.2174	Sagging	505.32E-6	0.065152	0.065308	-651.10E-6	-371.32E-6	34906.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.93965	Sagging	0.0	55.843E-6	55.826E-6	0.0	-9.8101E-6	2.4833E+9	0 (Negligible)
	2	0.93965	1.5734	Hogging	0.0	55.843E-6	55.826E-6	0.0	-9.8105E-6	1.2926E+9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.62828	Hogging	41.583E-6	0.065152	0.065156	-651.10E-6	-338.00E-6	150640.	1 (Very Slight)
	2	0.62828	3.1537	Sagging	0.0038270	0.065152	0.068042	-651.10E-6	-338.00E-6	4152.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.8980	Sagging	1.9102E-6	8.5448E-6	10.264E-6	0.0	0.0	25.166E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.3782	Sagging	0.0036048	0.065174	0.068061	-651.31E-6	338.04E-6	4344.0	1 (Very Slight)
	2	3.3782	0.13777	Hogging	24.590E-6	0.065174	0.065174	-651.31E-6	337.11E-6	2.0994E+6	1 (Very Slight)
	3	3.5160	1.6385	Sagging	482.58E-6	0.063768	0.063967	-651.31E-6	362.66E-6	45570.	1 (Very Slight)
	4	5.1545	2.8345	Hogging	556.86E-6	0.034127	0.034326	-508.40E-6	362.66E-6	26928.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	6.3580	Hogging	1.3799E-6	12.319E-6	13.340E-6	0.0	6.0014E-6	56.083E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement	Segment	Start [m]	Length [m]	Curvature [%]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category

Calculations								Curve			
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	3.9167	2.4473	Hogging	0.0016321	0.031874	0.032381	-318.64E-6	-176.06E-6	16220.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.0680	Hogging	0.0	0.0	0.0	0.0	0.0	686.78E+6	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1000	Hogging	741.35E-6	0.031869	0.031973	-318.58E-6	-247.12E-6	16223.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	8.3969	Hogging	529.52E-6	-0.0012588	386.27E-6	158.40E-6	-74.577E-6	13972.	0
											(Negligible)
	2	8.3969	2.2171	Sagging	891.04E-6	-0.013887	0.0028218	158.40E-6	-63.837E-6	31034.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.5960	Hogging	0.0020191	0.023171	0.023835	-247.48E-6	266.54E-6	15462.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.7410	Sagging	256.61E-6	-0.0053068	0.0010713	58.484E-6	26.269E-6	82824.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.4375	Hogging	701.98E-6	0.029532	0.029661	-298.82E-6	102.83E-6	20304.	0
											(Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	4.1060	Sagging	0.0084332	0.063977	0.071904	-704.55E-6	502.00E-6	3636.1	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.24383	None	0.0	60.877E-6	60.904E-6	0.0	16.773E-6	10228.	0 (Negligible)
	2	0.24383	3.1712	Sagging	0.0058891	-0.022981	0.0056510	351.44E-6	377.93E-6	4128.5	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.9472	Sagging	818.50E-6	0.026911	0.027309	-311.24E-6	429.45E-6	17040.	0 (Negligible)
	2	1.9472	0.98881	Hogging	175.92E-6	0.033834	0.033856	-346.47E-6	429.45E-6	56349.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.4230	Sagging	0.0019260	-0.014991	0.0031861	171.22E-6	-205.47E-6	6113.9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	2.1100	Hogging	206.44E-6	0.0083672	0.0084226	-84.334E-6	204.18E-6	114140.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.0330	Hogging	0.0	5.5349E-6	5.8293E-6	0.0	-4.9084E-6	166.76E+6	0 (Negligible)

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.44300	Sagging	0.0	0.051030	0.051030	-510.04E-6	-481.57E-6	-	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	4.9710	Hogging	0.0	5.4493E-6	5.6148E-6	0.0	-5.1048E-6	194.50E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C9

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	2.0541	Hogging	695.22E-6	0.052894	0.053075	-544.77E-6	-547.93E-6	23698.	1 (Very Slight)
	2	2.0541	0.56388	Sagging	49.108E-6	0.055210	0.055217	-553.86E-6	-547.93E-6	100440.	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C10

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.82300	Sagging	0.0	5.9096E-6	5.9009E-6	0.0	5.5727E-6	434.17E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C11

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	4.9410	Sagging	0.0091272	0.063075	0.072926	-708.14E-6	-534.77E-6	3562.2	1 (Very Slight)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: C | Sub-structure: C12

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	11.065	Sagging	3.6969E-6	6.2724E-6	11.909E-6	0.0	-1.7955E-6	36.888E+6	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D1

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start [m]	Length [m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	3.5485	Hogging	0.0015138	0.029196	0.029870	-382.53E-6	300.91E-6	21562.	0 (Negligible)
	2	3.5485	0.81050	Sagging	119.31E-6	0.027025	0.027050	-271.50E-6	204.75E-6	72659.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D2

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	1	0.0	0.98091	Sagging	131.05E-6	284.54E-6	328.48E-6	-9.8796E-6	61.663E-6	92119.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D3

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D4

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start Length [m]	[m]	Curvature [m]	Deflection Ratio [%]	Average Horizontal Strain [%]	Max Tensile Strain [%]	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature [m]	Damage Category
0.0	All settlements are less than the Settlement Trough Limit Sensitivity.										

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	2.6505	0.15988	Sagging	0.0	0.031873	0.031873	-318.63E-6	-251.88E-6	12468.	0 (Negligible)
	2	2.8104	0.28161	Sagging	0.0	0.031873	0.031873	-318.63E-6	-238.39E-6	7078.8	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	1.1600	Sagging	0.0	2.0478E-6	2.0385E-6	0.0	1.8783E-6	1.1068E+9	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	0.14812	None	0.0	0.031872	0.031872	-318.62E-6	-232.27E-6	449540.	0 (Negligible)
	2	0.14812	4.4149	Hogging	0.0024258	0.038121	0.039448	-497.97E-6	-395.11E-6	16101.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Segment	Start	Length	Curvature	Deflection	Average Horizontal Strain	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature	Damage Category
[m]		[m]	[m]		[%]	[%]	[%]			[m]	
0.0	1	0.0	6.8050	Hogging	1.4806E-6	14.064E-6	15.271E-6	0.0	6.8685E-6	57.400E+6	0 (Negligible)
	2	6.8050	4.2070	Sagging	0.0023777	-0.0061224	0.0017881	100.72E-6	145.69E-6	11855.	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Specific Building Damage Results - Critical Values for All Segments within Each Sub-Structure

Structure: A | Sub-structure: A1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	606.90E-6	0.065152	-371.32E-6	2.3593	0.065308	-651.10E-6	-371.32E-6	25067.	34906.	1 (Very Slight)

Structure: A | Sub-structure: A2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	55.843E-6	-9.8105E-6	2.3841	55.826E-6	0.0	-9.8105E-6	1.2926E+9	2.4833E+9	0 (Negligible)

Structure: A | Sub-structure: A3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0038270	0.065152	-338.00E-6	3.3988	0.068042	-651.10E-6	-338.00E-6	150640.	4152.1	1 (Very Slight)

Structure: A | Sub-structure: A4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.9102E-6	8.5448E-6	0.0	3.3989	10.264E-6	0.0	0.0	- 25.166E+6	0	(Negligible)

Structure: A | Sub-structure: A5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0036048	0.065174	362.66E-6	3.3982	0.068061	-651.31E-6	362.66E-6	26928.	4344.0	1 (Very Slight)

Structure: A | Sub-structure: A6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	1.3799E-6	12.319E-6	6.0014E-6	0.92831	13.340E-6	0.0	6.0014E-6	56.083E+6	-	0 (Negligible)

Structure: B | Sub-structure: B1

Vertical Offset from	Deflection Ratio	Average Horizontal	Max Slope	Max Settlement	Max Tensile	Max Gradient of	Max Gradient of Vertical	Min Radius of	Min Radius of	Damage Category

Line for Vertical Movement Calculations	Strain	Strain	Horizontal Displacement Curve	Displacement Curve	Curvature (Hogging)	Curvature (Sagging)
[m]	[%]	[%]	[mm]	[%]	[m]	[m]

Structure: B | Sub-structure: B2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0016321	0.031874	-176.06E-6	0.41518	0.032381	-318.64E-6	-176.06E-6	16220.		- 0 (Negligible)

Structure: B | Sub-structure: B6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.0	0.0	0.41629	0.0	0.0	0.0	686.78E+6		- 0 (Negligible)

Structure: B | Sub-structure: B7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	741.35E-6	0.031869	-247.12E-6	0.66395	0.031973	-318.58E-6	-247.12E-6	16223.		- 0 (Negligible)

Structure: B | Sub-structure: B8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	891.04E-6	-0.013887	-74.577E-6	0.78088	0.0028218	158.40E-6	-74.577E-6	13972.	31034.	0 (Negligible)

Structure: B | Sub-structure: B9

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0020191	0.023171	266.54E-6	0.78088	0.023835	-247.48E-6	266.54E-6	15462.		- 0 (Negligible)

Structure: B | Sub-structure: B10

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	256.61E-6	-0.0053068	26.269E-6	0.26657	0.0010713	58.484E-6	26.269E-6	-	82824.	0 (Negligible)

Structure: B | Sub-structure: B11

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	701.98E-6	0.029532	102.83E-6	0.23419	0.029661	-298.82E-6	102.83E-6	20304.		- 0 (Negligible)

Structure: B | Sub-structure: B12

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B13

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B14

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B15

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B16

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B17

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B18

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B19

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: B | Sub-structure: B20

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	

Structure: C | Sub-structure: C1

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0084332	0.063977	502.00E-6	5.1822	0.071904	-704.55E-6	502.00E-6	-	3636.1	1 (Very Slight)

Structure: C | Sub-structure: C2

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0058891	-0.022981	377.93E-6	4.0587	0.0056510	351.44E-6	377.93E-6	-	4128.5	0 (Negligible)

Structure: C | Sub-structure: C3

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	818.50E-6	0.033834	429.45E-6	3.2736	0.033856	-346.47E-6	429.45E-6	56349.	17040.	0 (Negligible)

Structure: C | Sub-structure: C4

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0019260	-0.014991	-205.47E-6	2.4259	0.0031861	171.22E-6	-205.47E-6	-	6113.9	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: C | Sub-structure: C5										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	206.44E-6	0.0083672	204.18E-6	2.4259	0.0084226	-84.334E-6	204.18E-6	114140.		- 0 (Negligible)
Structure: C | Sub-structure: C6										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.5349E-6	-4.9084E-6	2.0386	5.8293E-6	0.0	-4.9084E-6	166.76E+6		- 0 (Negligible)
Structure: C | Sub-structure: C7										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.051030	-481.57E-6	2.2520	0.051030	-510.04E-6	-481.57E-6	-		- 1 (Very Slight)
Structure: C | Sub-structure: C8										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.4493E-6	-5.1048E-6	2.2775	5.6148E-6	0.0	-5.1048E-6	194.50E+6		- 0 (Negligible)
Structure: C | Sub-structure: C9										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	695.22E-6	0.055210	-547.93E-6	3.6751	0.055217	-553.86E-6	-547.93E-6	23698.	100440.	1 (Very Slight)
Structure: C | Sub-structure: C10										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	5.9096E-6	5.5727E-6	3.6754	5.9009E-6	0.0	5.5727E-6	-	434.17E+6	0 (Negligible)
Structure: C | Sub-structure: C11										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0091272	0.063075	-534.77E-6	5.1795	0.072926	-708.14E-6	-534.77E-6	-	3562.2	1 (Very Slight)
Structure: C | Sub-structure: C12										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	3.6969E-6	6.2724E-6	-1.7955E-6	5.1389	11.909E-6	0.0	-1.7955E-6	-	36.888E+6	0 (Negligible)
Structure: D | Sub-structure: D1										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0015138	0.029196	300.91E-6	1.1938	0.029870	-382.53E-6	300.91E-6	21562.	72659.	0 (Negligible)
Structure: D | Sub-structure: D2										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	131.05E-6	284.54E-6	61.663E-6	0.17032	328.48E-6	-9.8796E-6	61.663E-6	-	92119.	0 (Negligible)

Vertical Offset from Line for Vertical	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
Structure: D | Sub-structure: D3										
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
Structure: D | Sub-structure: D4										

Vertical Movement Calculations				Displacement Curve	Curve	(Hogging)	(Sagging)
[m]	[%]	[%]	[mm]	[%]		[m]	[m]

Structure: D | Sub-structure: D5

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	0.031873	-251.88E-6	0.24733	0.031873	-318.63E-6	-251.88E-6	-	7078.8	0 (Negligible)

Structure: D | Sub-structure: D6

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0	2.0478E-6	1.8783E-6	0.24739	2.0385E-6	0.0	1.8783E-6	-	1.1068E+9	0 (Negligible)

Structure: D | Sub-structure: D7

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0024258	0.038121	-395.11E-6	1.5825	0.039448	-497.97E-6	-395.11E-6	16101.	-	0 (Negligible)

Structure: D | Sub-structure: D8

Vertical Offset from Line for Vertical Movement Calculations	Deflection Ratio	Average Horizontal Strain	Max Slope	Max Settlement	Max Tensile Strain	Max Gradient of Horizontal Displacement Curve	Max Gradient of Vertical Displacement Curve	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
[m]	[%]	[%]		[mm]	[%]			[m]	[m]	
0.0	0.0023777	-0.0061224	145.69E-6	1.5828	0.0017881	100.72E-6	145.69E-6	57.400E+6	11855.	0 (Negligible)

Specific Building Damage Results - Critical Segments within Each Structure

Structure Name	Parameter	Critical Sub-Structure	Critical Segment	Start	End	Curvature	Max Slope	Max Settlement	Max Tensile Strain	Min Radius of Curvature (Hogging)	Min Radius of Curvature (Sagging)	Damage Category
				[m]	[m]			[mm]	[%]	[m]	[m]	
A	Max Slope	A1	1	0.0	3.0866	Hogging	**371.32E-6**	1.9356	0.034780	25067.	-	0 (Negligible)
	Max Settlement	A4	1	0.0	3.8980	Sagging	0.0	**3.3989**	10.264E-6	-	25.166E+6	0 (Negligible)
	Max Tensile Strain	A5	1	0.0	3.3782	Sagging	338.04E-6	3.3982	**0.068061**	-	4344.0	1 (Very Slight)
	Min Radius of Curvature (Hogging)	A1	1	0.0	3.0866	Hogging	371.32E-6	1.9356	0.034780	**25067.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	A3	2	0.62828	3.7820	Sagging	338.00E-6	3.3988	0.068042	-	**4152.1**	1 (Very Slight)
B	Max Slope	B9	1	0.0	2.5960	Hogging	**266.54E-6**	0.78088	0.023835	15462.	-	0 (Negligible)
	Max Settlement	B9	1	0.0	2.5960	Hogging	266.54E-6	**0.78088**	0.023835	15462.	-	0 (Negligible)
	Max Tensile Strain	B5	1	3.9167	6.3640	Hogging	176.06E-6	0.41518	**0.032381**	16220.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	B8	1	0.0	8.3969	Hogging	74.577E-6	0.71312	386.27E-6	**13972.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	B8	2	8.3969	10.614	Sagging	63.837E-6	0.78088	0.0028218	-	**31034.**	0 (Negligible)
C	Max Slope	C9	1	0.0	2.0541	Hogging	**547.93E-6**	3.3672	0.053075	23698.	-	1 (Very Slight)
	Max Settlement	C1	1	0.0	4.1060	Sagging	502.00E-6	**5.1822**	0.071904	-	3636.1	1 (Very Slight)
	Max Tensile Strain	C11	1	0.0	4.9410	Sagging	534.77E-6	5.1795	**0.072926**	-	3562.2	1 (Very Slight)
	Min Radius of Curvature (Hogging)	C9	1	0.0	2.0541	Hogging	547.93E-6	3.3672	0.053075	**23698.**	-	1 (Very Slight)
	Min Radius of Curvature (Sagging)	C11	1	0.0	4.9410	Sagging	534.77E-6	5.1795	0.072926	-	**3562.2**	1 (Very Slight)
D	Max Slope	D7	2	0.14812	4.5630	Hogging	**395.11E-6**	1.5825	0.039448	16101.	-	0 (Negligible)
	Max Settlement	D8	1	0.0	6.8050	Hogging	6.8685E-6	**1.5828**	15.271E-6	57.400E+6	-	0 (Negligible)
	Max Tensile Strain	D7	2	0.14812	4.5630	Hogging	395.11E-6	1.5825	**0.039448**	16101.	-	0 (Negligible)
	Min Radius of Curvature (Hogging)	D7	2	0.14812	4.5630	Hogging	395.11E-6	1.5825	0.039448	**16101.**	-	0 (Negligible)
	Min Radius of Curvature (Sagging)	D5	2	2.8104	3.0920	Sagging	238.39E-6	0.24733	0.031873	-	**7078.8**	0 (Negligible)